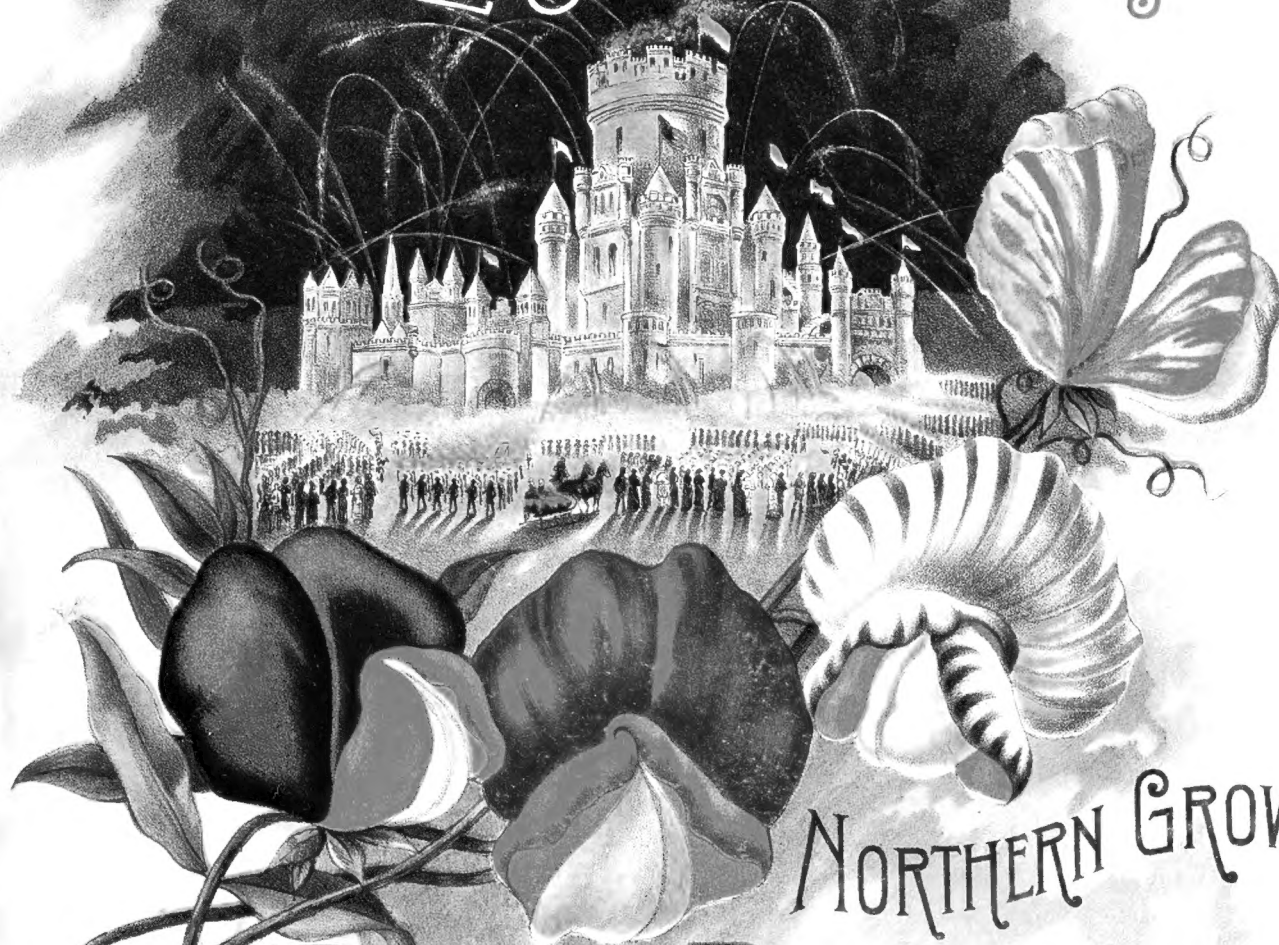


L. MAY & CO.

ILLUSTRATED CATALOGUE

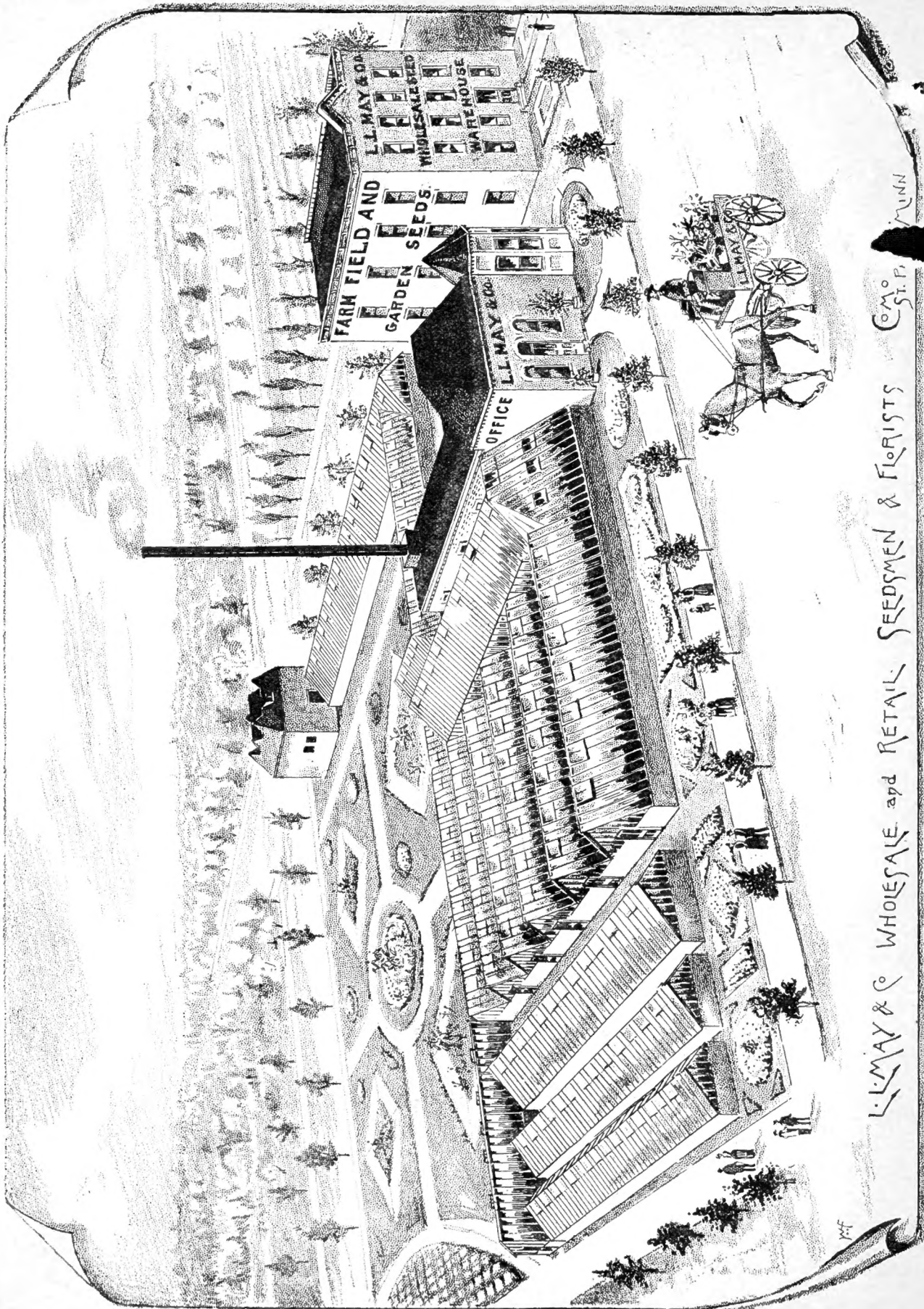
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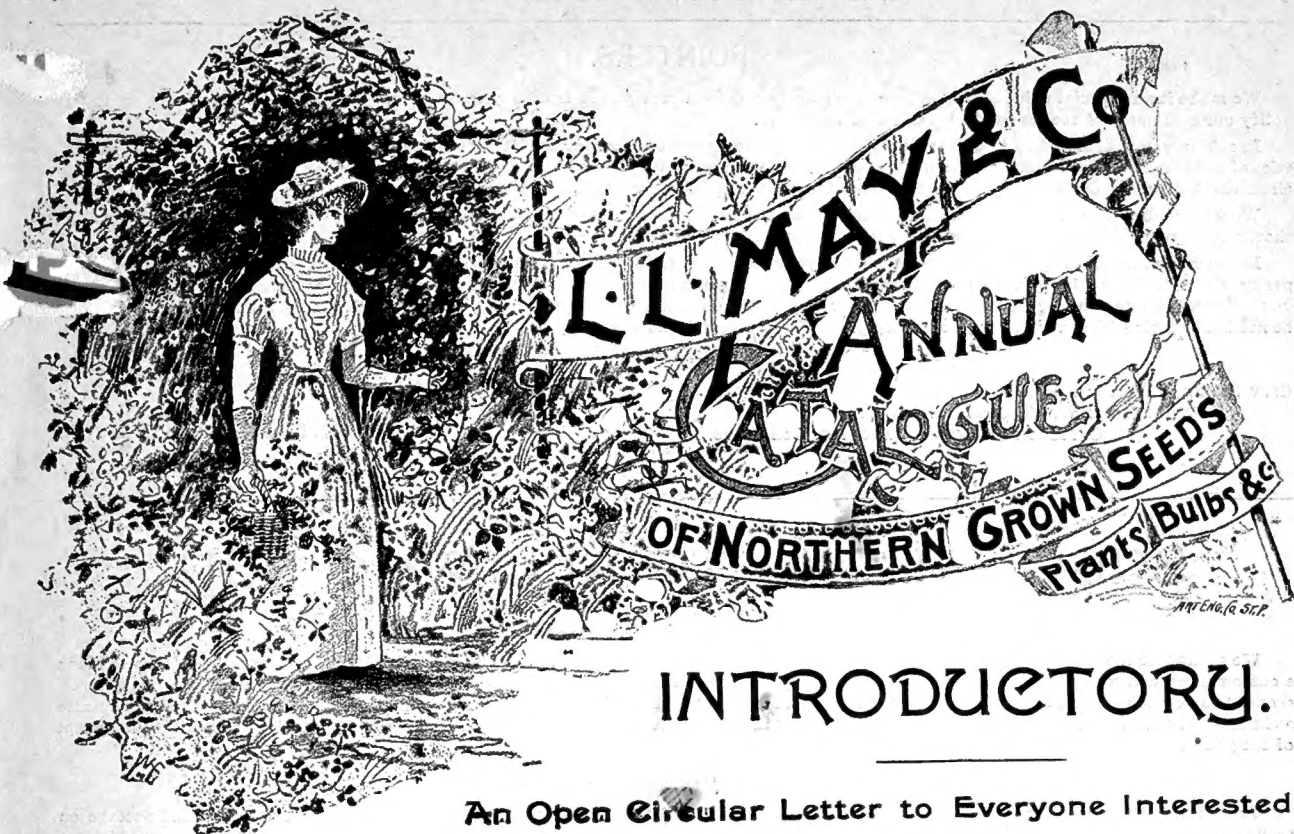
JANUARY

PLANTS, BULBS AND SEEDS.

"ST. PAUL, MINN."



L.L. MAY & CO. WHOLESALE and RETAIL SEEDSMEN & FLORISTS
St. P. MUNN



INTRODUCTORY.

An Open Circular Letter to Everyone Interested in Seeds and Plants.

IN connection with extending to you in the most sincere and hearty way the compliments of the season just closed, we desire to present to you some business facts regarding the Seed Business which we trust will receive your courteous attention and be of profit to you. And if we make allusion to our own business, it is with the honest belief that the statements made will prove of mutual benefit.

The rapid growth of our business in the seed department, has necessitated, within the past year, the erection of a large storage and shipping warehouse, on Como Avenue, directly adjoining our present offices and greenhouses, and which is completely equipped with the most modern and approved appliances for the safe storing and rapid shipping of seeds. This large additional building, in connection with our city store at No. 5 West 3rd street, affords us facilities for giving an immediate attention to your orders which are certainly not exceeded, if they are equaled by any house in the west. As you can readily imagine, such storage room, actually demanded by our needs, must represent a stock which is without rival in quantity and variety.

A WORD ABOUT ITS EXCELLENCE AND RELIABILITY.

We are the only jobbing house west of New York City who have, in connection with our seed business, our own greenhouses; therefore our advantages for the immediate testing of all seeds received from our growers are perfect, and not an ounce of seed is finally accepted by us until a satisfactory test as to germination has been made. Thus an assurance is given all of our customers that they will only receive from us seeds which we know by actual experience will grow. We do not confine our tests to the matter of germination alone, but we have at a short distance from our warehouse, a trial ground, where we test the trueness of type as well as germination, thus being able to satisfy ourselves that our stocks are true to name.

OUR STOCKS, AND SOURCES OF SUPPLY.

We do not rely, as many seedsmen do, on buying our stocks in the open market from whoever happens to quote the lowest price, but deal directly with the producer, having the seeds grown especially for us on contract. We aim to offer only NORTHERN GROWN SEEDS as it is an established fact that seeds grown in lower latitudes will not do well in our rigorous northern climate. **Stocks locally grown are earlier, hardier, more productive and truer in type than those which can be obtained from any other source.**

We have in close proximity to St. Paul, extensive farms devoted entirely to the growing of beans, sweet corn, beet, carrot, onion, and in fact nearly all the standard varieties of vegetable seeds, the products of which are offered to customers for the coming spring's sales. Of course there are some varieties which will do better in more distant sections, and these as above stated, are grown especially for us on contract. We make it a point to visit the growing crops at the proper periods of the year for the purpose of seeing for ourselves that our requirements as to the proper care of the crops, so as to insure the perfect purity of the seed which we are to receive from the same, are fully complied with.

PRICES.

We have endeavored to make our prices as low as is consistent with the quality of goods which we offer, and we think you will find that they compare favorably with those of any reputable house in the country.

Our location gives us great advantages in the matter of freights. In fact, throughout the northwest we can deliver goods cheaper than any other house. We want our customers to understand the great saving they will make in this respect in placing their orders with us.

POINTERS.

We make it an especial point to ship all orders on the day of their receipt. If from any cause, we are unable to do this, we immediately notify our customers of the fact and the reason of the delay.

In asking you to order early it is to avoid disappointment to any of our customers. It sometimes happens that we run out of some varieties of seeds before the planting season has passed. This catalogue, which we have the pleasure of sending you, is usually thoroughly circulated by the 10th of January, and we commend the above request to your kind notice.

We wish to direct your attention to the matter under the heading of "Plant Department," and which we think will interest you in showing its great progress and development within the past twelve months.

In conclusion we tender you our hearty thanks for your many favors of the past, and hope for a continuance and increased mutual prosperity of our business relations. We are always glad to hear of your success, and trust when you are in need of such advice as we can give, you will not hesitate to apply for it. Do any of your flower friends desire one of our catalogues? We will gladly forward as many as may be needed to their address. Wishing you every prosperity we remain as always,

Very respectfully and truly yours,

CITY STORE, 5 West 3rd St.

WHOLESALE WAREHOUSES, Como Ave.

OFFICES AND CONSERVATORIES, Como Ave.

L. L. MAY & CO.,

ST. PAUL, MINN.

SUGGESTIONS TO ALL WHO BUY.

THE SAFE ARRIVAL OF PACKAGES GUARANTEED.

We guarantee the safe arrival of packages of Plants, Bulbs and Seeds in good condition in the United States. If a package fails to reach a customer we will send again as soon as informed of the fact, or if any part is injured or lost we will replace it. Whenever writing in reference to a previous order, be sure to mention the post office or express office to which the goods were to be shipped and sign the same name as in the first order. We do not consider ourselves held by this guarantee unless complaints are made within three weeks after the receipt of the goods.

OUR CUSTOMERS IN CANADA.

There is a duty on seeds sent from the United States to Canada. We will, in all cases when it is possible, pay the duties and postage on seeds purchased at retail catalogue prices, so that our customers will have no trouble or expense. Plants are permitted to enter free of duty.

PAYMENTS TO ACCOMPANY ORDER.

Goods sent C. O. D. only when one-fourth the amount is sent with the order, with charges for returning money added to bill.

HOW TO SEND MONEY.

All money may be sent at our risks if forwarded according to directions.

POST OFFICE MONEY ORDERS.

Post Office Money Orders, to be obtained at many post offices but not all, are perfectly safe and will cost from 5 to 25 cents. This is the best way when practicable.

BANK DRAFTS ON ST. PAUL, CHICAGO OR NEW YORK.

A draft on any of the above places can be obtained at any bank for from 10 to 25 cents, and will be sure to come correctly.

EXPRESS MONEY ORDERS.

These can be obtained at all offices of the American, Adams, United States, Northern Pacific and Wells, Fargo & Co. Express Companies.

MONEY PACKAGES BY EXPRESS.

Amounts not less than \$5.00, can be sent by Express Money Package. These we are sure to get and the cost is very little.

REGISTERED LETTERS.

When money cannot be sent by any of the above methods, it may be enclosed in a registered letter. The cost of registering is 10 cents.

SUMS LESS THAN ONE DOLLAR, may be forwarded by mail, at our risk, without registering.

POSTAGE STAMPS ACCEPTED for sums less than \$1.00.

When remittances are not made according to these directions, we disclaim all responsibility.

There is no safety in Postal Notes and they are sent at risk of sender.

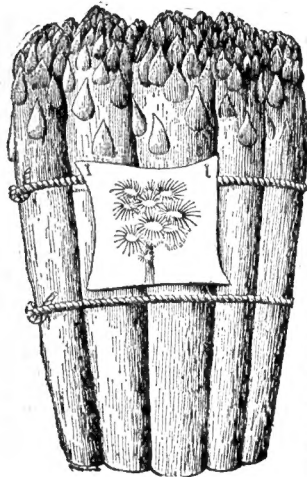
Don't forget your name, Post Office and State.

Parties ordering will confer a particular favor by using the Order Sheet, as it saves us a great deal of time and insures the most correct filling of orders. Nothing is more annoying than to get orders muddled up through the body of the letter.

It is requested that explicit directions be given for marking and shipping packages. When no special directions are given, we will use our own judgment as to the route and mode of conveyance.

SEED & PLANT NOVELTIES AND SPECIALTIES for 1890.

PALMETTO ASPARAGUS.

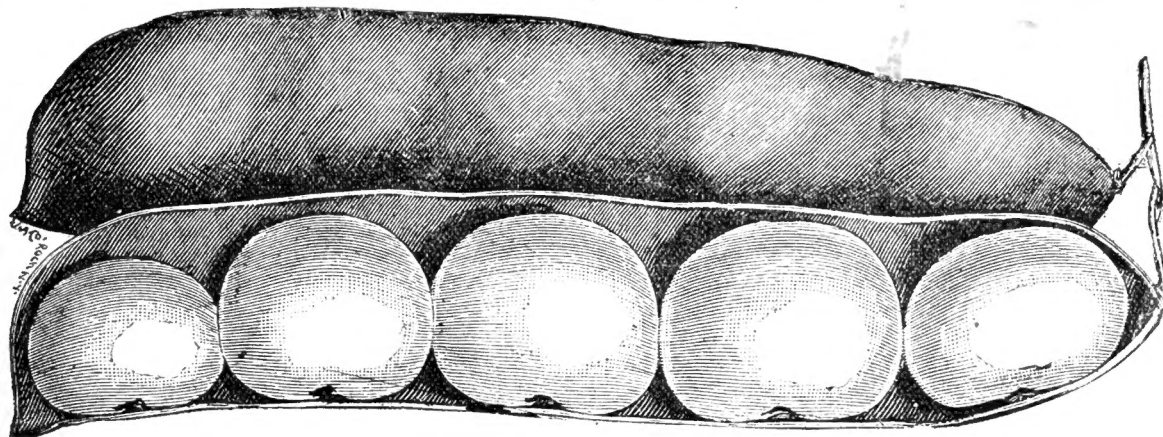
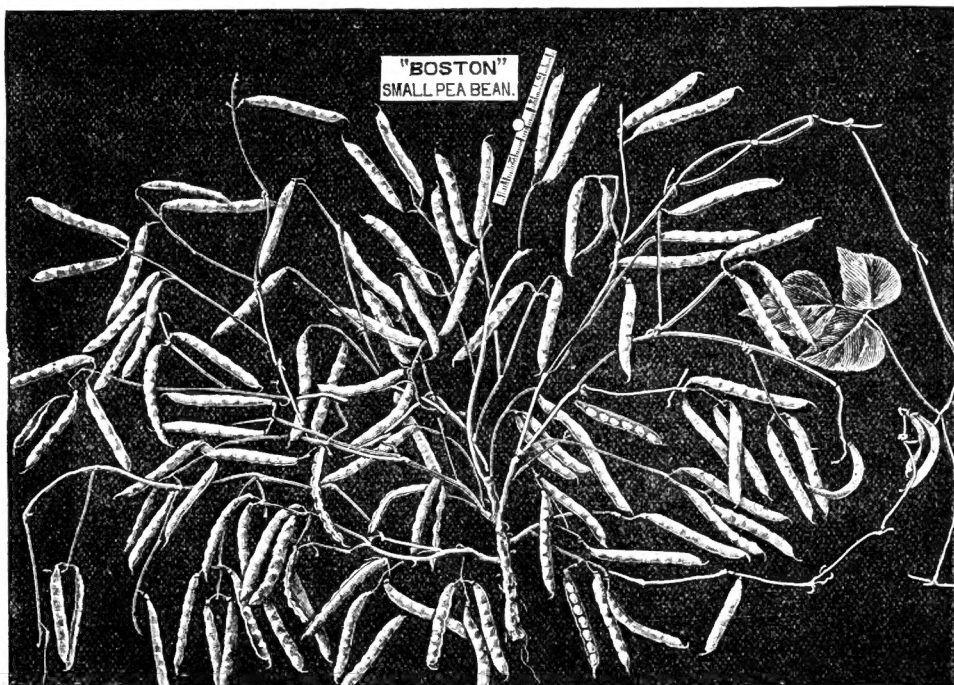


PALMETTO ASPARAGUS.

THE NEW BOSTON PEA BEAN.

The new "Boston Pea Bean" is the most productive field bean ever introduced, and is also very early, ripening before the fall rains and before any danger from frost in the northern bean growing latitudes. It generally yields 60 to 80 fold with ordinary field culture and frequently exceeds 100 fold. Single plants have produced over 700 beans.

The pods grow in clusters of two, three, or four, and sometimes five. The foliage is very rank and covers the ground so as to keep it shaded and moist, thereby preventing the crop from suffering from drought as severely as most varieties. The plant is very hardy and has never suffered from rust. Pkt. 10c., pt. 25c., qt. 50c., postpaid. By express, per qt. 40c., pk. \$1.75, bush. \$6.00.



MAY'S CHAMPION LIMA.

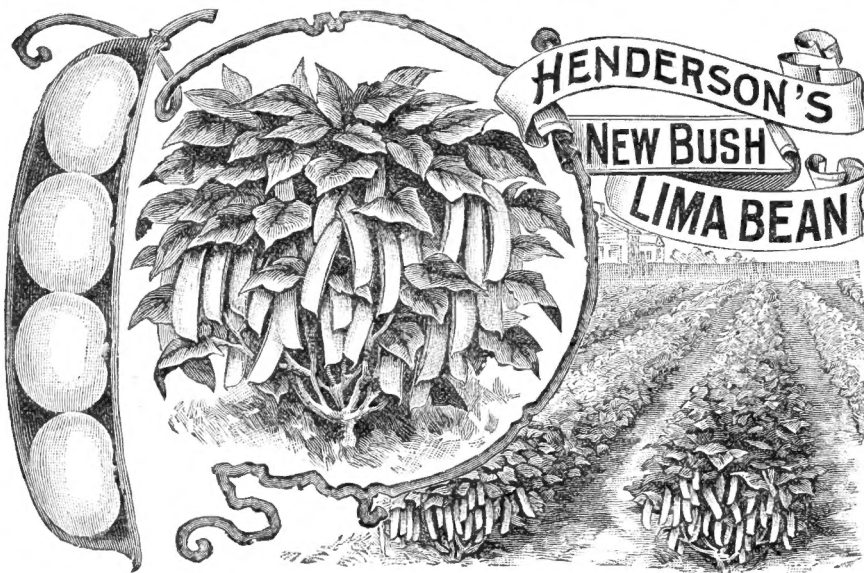


MAY'S CHAMPION LIMA.

This new and superior Lima we now offer to our customers for the first time. It has been thoroughly tested in all sections of the country and has given the best satisfaction, so that we feel perfectly safe in giving it a place in our specialties this season.

The pods are large and contain five beans. Vines are vigorous in growth and bear profusely. The beans which are large and handsome are of the finest quality. Splendid variety for either private or market gardening. Pkt. 10c., pt. 50c., qt. \$1, postpaid.

HENDERSON'S NEW BUSH LIMA BEAN.



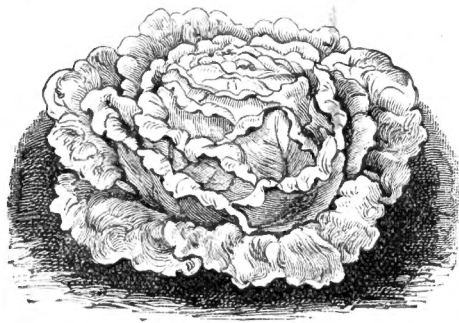
Copyright, 1883, By Peter Henderson, & Co.

plied with this splendid vegetable throughout the season. Twelve packets will plant five rows, each fifty feet long, which is ample for an ordinary family. The beans are of the size of Sieva or Southern Lima, and as before stated, of delicious quality. Pkt. 15c., pt. 75c., postpaid.

LENTZ BEET.

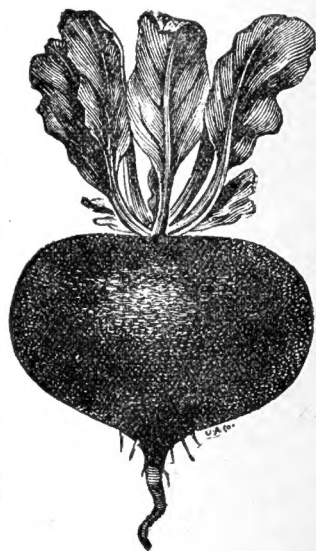
This splendid new variety originated with the Lentz family, who are among the best market gardeners about Philadelphia. It is as early as the Egyptian, but larger and of better quality, color a dark red, flesh very tender and sweet at all times, whether old or young. Very productive, a good keeper, and will produce a crop in six weeks from the time of planting the seed. This variety we recommend especially to all market gardeners, as it commands the highest price in our markets on account of its fine appearance and excellent quality. Pkt. 5c., oz. 15c., ¼ lb. 30c., lb. \$1, postpaid.

May's Market Gardeners' Private Stock.



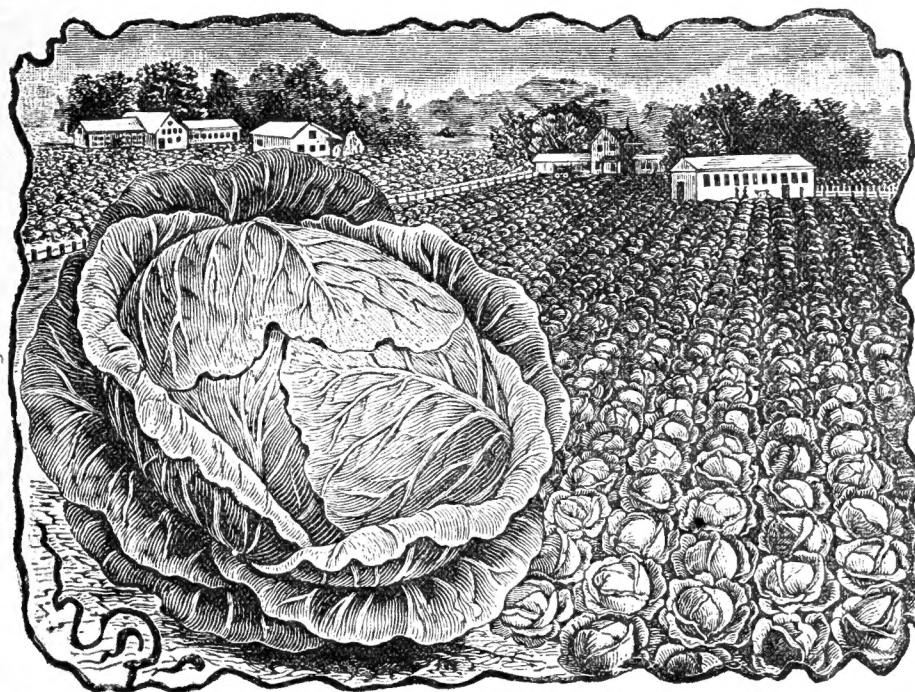
MAY'S MARKET GARDENER'S PRIVATE STOCK.

This is a variety that is unusual for size and solidity of head, and it shows but little tendency to run to seed. We have had plants time and again of this variety, eighteen inches in diameter, which weighed nearly four pounds, with heads almost as solid as an early summer cabbage, which in general form it somewhat resembles. The variety blanches itself naturally, is crisp, tender, and of excellent flavor, and always free from bitterness. The outside color we consider to be distinct in shade from any other lettuce that we are familiar with, and may be described as a clear, deep apple-green, while on the inside the color is a yellowish white. It is not a forcing variety, but it is certainly one of the best varieties for summer use ever introduced. Pkt. 10c., oz. 50c., lb., \$5, postpaid.



LENTZ BEET.

It is not a forcing variety, but it is certainly one of the best varieties for summer use ever introduced.

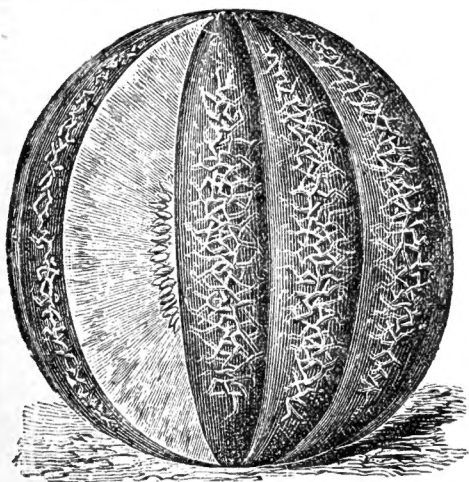


SUCCESSION CABBAGE.

OSAGE, OR MILLER'S CREAM MUSK MELON.

Although catalogued by some as two varieties we fail to find any difference between the Osage and Miller's Cream, we have therefore entered it as one variety. After being thoroughly tested in all sections of the country it is pronounced as one of the very best.

The flesh, which is of a rich salmon color, is very thick, sweet, and of the finest quality, rind thin and finely netted. Vines vigorous and very productive, literally covering the ground with fruit. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50, postpaid.



OSAGE, OR MILLER'S CREAM MUSK MELON.

EMERALD GEM MUSK MELON.

An excellent new Musk Melon, which originated in Michigan. Too much cannot be said of the quality of this Melon, as there is not another variety that approaches it in flavor. It is deeply ribbed, smooth skin and of a deep emerald green color, flesh salmon, very thick and juicy. The vines are strong growing and very productive. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., 1 lb., \$2.50, postpaid.

PRINCESS MUSK MELON.

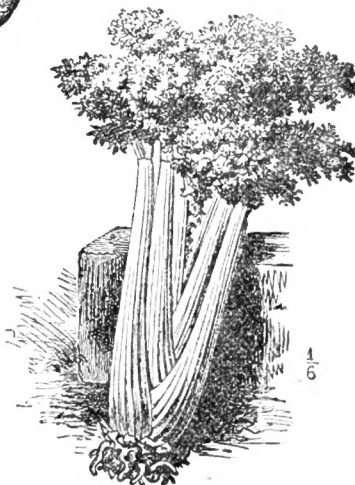
The Princess after a thorough trial, has proven to be one of the best Melons in cultivation. In shape, it is almost round, with heavily netted, dark green skin; the flesh is of a rich orange color and very thick, while the flavor is delicious. Ripens early and grows to a good size, often weighing 10 lbs. each. The vines grow vigorously and are exceedingly productive. All lovers of fine Melons should try the Princess. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb., 75c., lb. \$2.50, postpaid.

SUCCESSION CABBAGE.

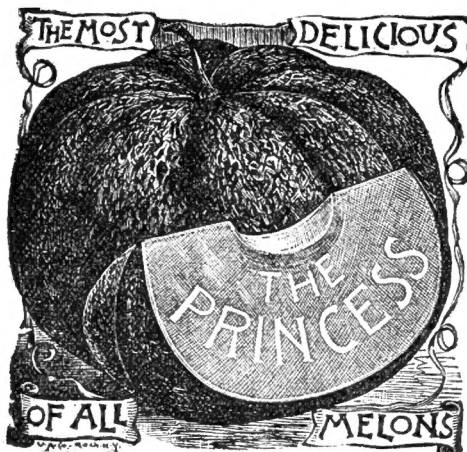
Very early, maturing about the same time as the Early Summer, and is twice its size. Although this variety will be largely grown to come in for midsummer use; it will also be valuable as a fall or winter variety, as its firm solid head makes it an excellent keeper. Undoubtedly the best variety for general cultivation. Pkt. 2c., oz. \$1, $\frac{1}{4}$ lb. \$3.50, postpaid.

BOUQUET CELERY.

Although not a new variety it is one of special merit. It belongs to the same class as the Golden Dwarf. Solid, and of the finest quality, with beautifully curled or fringed leaves, which render it very showy, and makes the finest display on the table of all the Celeries. Flavor is unsurpassed. Pkt. 15c., 6 pkts. 75c., postpaid.

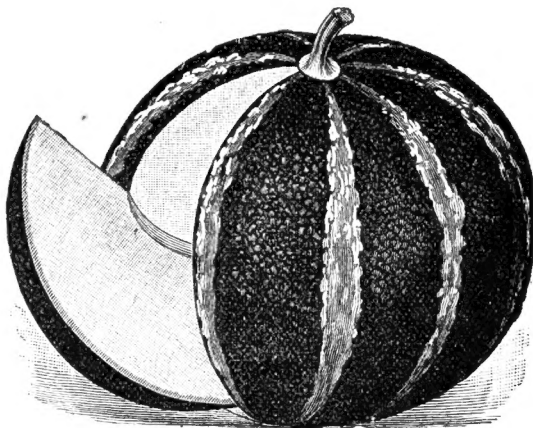


BOUQUET CELERY.



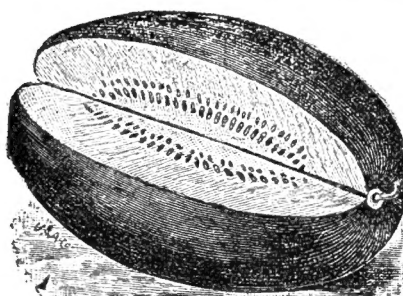
Seminole Water Melon.

Oblong in shape, smooth and beautifully proportioned; it is of two colors—gray and light green, the gray greatly predominating. Melons of both colors are formed on the same vine, and are precisely the same in every respect except color. It is a perfect Melon and a decided addition to the list, being very early, large, enormously productive and of excellent flavor. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 60c., lb. \$2.00, postpaid.



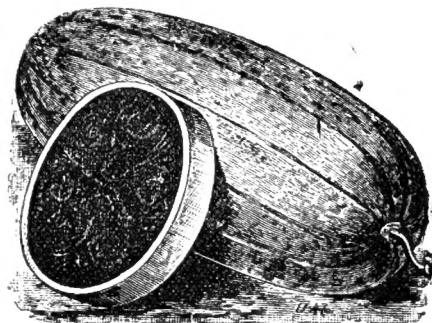
EMERALD GEM.

Green and Gold Water Melon.

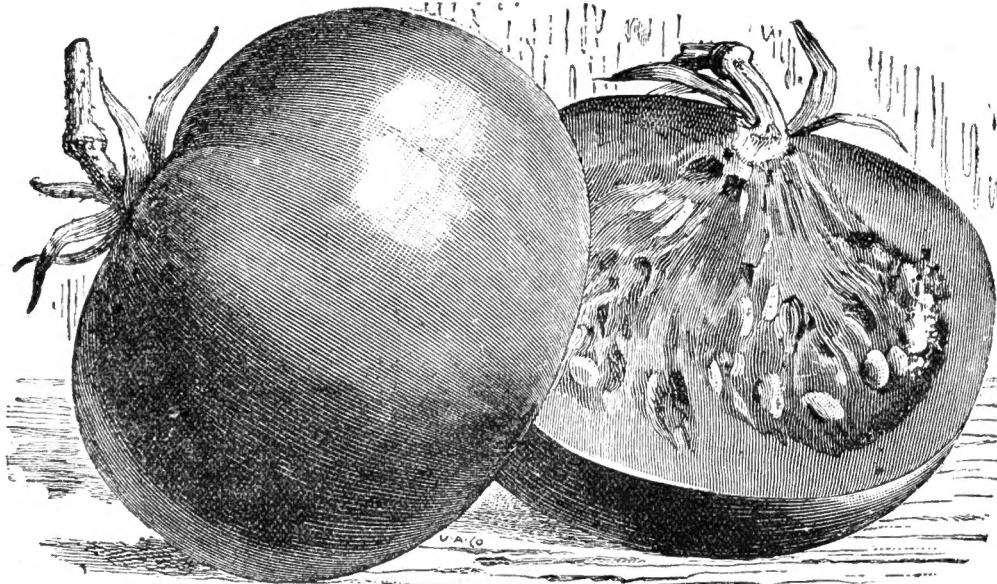


GREEN AND GOLD WATER MELON.

A valuable novelty that is distinct from any other Melon in cultivation. The rind is the thinnest of all Melons, being only about one-half inch thick; the color of skin is a deep green, while the flesh is a beautiful golden orange color. Very sweet and juicy, and of the finest flavor. The Melons weigh from twenty-five to forty pounds, and are always solid. Its rich golden color makes a splendid showing when placed on the table alongside the other varieties. The vines are vigorous growing and very productive. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50, postpaid.



SEMINOLE WATER MELON.



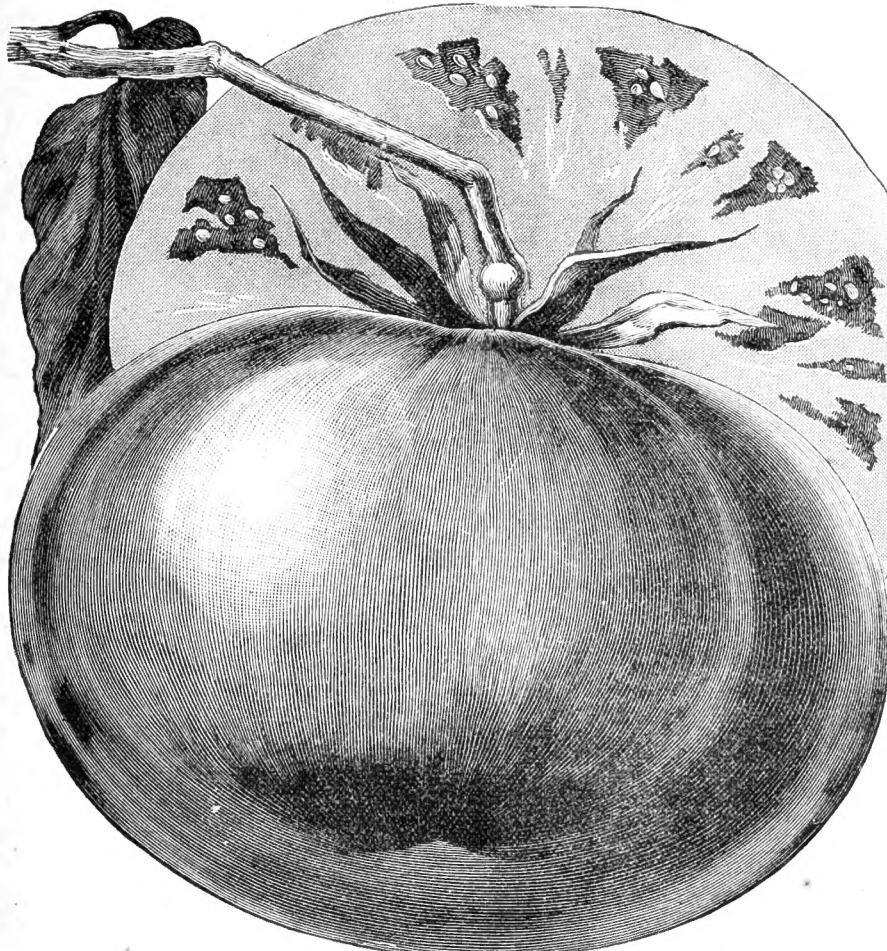
LORILLARD TOMATO.

Lorillard Tomato.

A new and early variety of great merit. It is undoubtedly the best tomato for forcing under glass that has ever been produced. Also good for outdoor growing; flesh solid, flavor fine; and very prolific. Superior to any known large tomato. For canning perfect. An excellent shipper and one of the best for market gardeners. No order is complete without a packet of Lorillard Tomato.

Pkt. 15c., oz. 75c. postpaid.

NORTHERN GROWN SEEDS & PLANTS.



VOLUNTEER TOMATO.

This Tomato has been procured by crossing Trophy and Canada Victor, and the result of that crossing with Perfection; combining their good qualities, without retaining any of their objectionable features. Large size, averaging six to ten ounces; round, very smooth, and perfect in form. Color bright red. No core, very early and when first fruiting *ripening more abundantly than any other sort*, a great advantage to market gardeners. Quality very superior for table use and canning. Enormously productive, ripening well to the stem. Take it altogether, as near perfection as a Tomato can well be. Experts who have tested it the two past seasons pronounce it the best yet. Pkt. 15c., oz. 75c., postpaid.

Extra Early Barletta Onion

This is a small pure white variety and very early. The onions have a very delicate silver skin; flesh firm and very mild.

Its extreme earliness makes it one of the most valuable sorts yet introduced. For pickling purposes it has no equal.

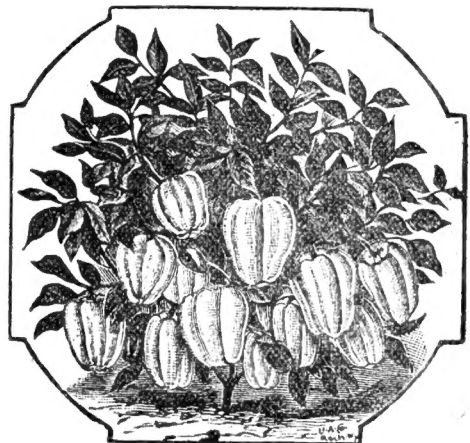
VOLUNTEER TOMATO.

Pkt. 10c., oz. 40c., 1/4 lb. \$1.50, lb. \$5.00 postpaid.

GOLDEN QUEEN PEPPER.

The best variety in cultivation. They grow from eight to ten inches in length and are the handsomest and most productive of all the Peppers. Color a bright golden yellow, and very mild in flavor, so that it can be sliced and eaten with salt and vinegar, like tomatoes and cucumbers. An excellent pepper and one that is taking the lead.

Pkt. 10c., oz. 50c., 1/4 lb. \$1.25, lb. \$4.50, postpaid.



GOLDEN QUEEN PEPPER.



EXTRA EARLY BARLETTA ONION.



ASTER "May's Challenge."

This superb strain has been carefully selected from the very finest sorts, grown under our own supervision and embraces all the colors of this popular flower. Mixed colors, per pkt., 25 cents.

Dahlia Striata, "May's New Striped," Single.

This new and exceedingly beautiful Dahlia is without question, the gem of all Dahlias. It has very large and magnificent flowers, striped and spotted with white, crimson and maroon. Height 4 feet. Price per Packet, 25 cents.

DIANTHUS. "Mont Blanc."

A new Double Dianthus unequalled as yet by any of the white varieties. Perfectly free flowering and very hardy. The flowers are pure white and very large. As an annual it is unsurpassed. Per pkt., 25 cents.



DAHLIA STRIATA, MAY'S NEW STRIPED SINGLE.

Nasturtium, "Snow Queen."

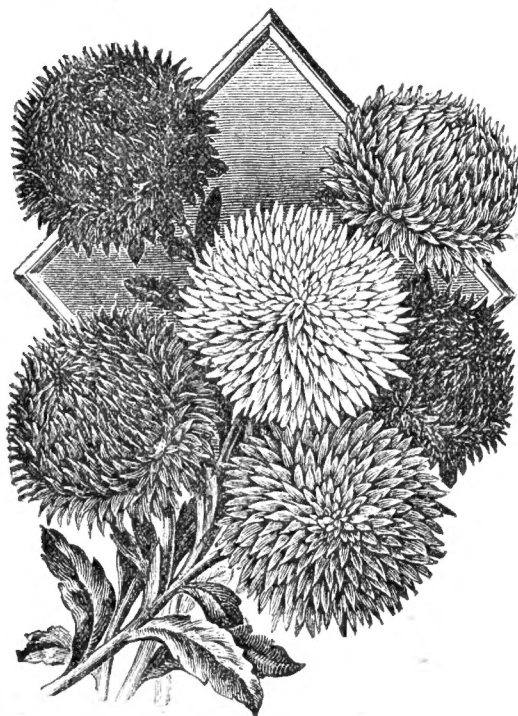
As a decorative plant for hanging baskets, boxes, or lattice work it is unequalled by its kindred varieties. Flowers are a pure white and very large, blossoming profusely during the entire summer. Pkt. 15c.

New Godetia, "Beauty of St. Paul."

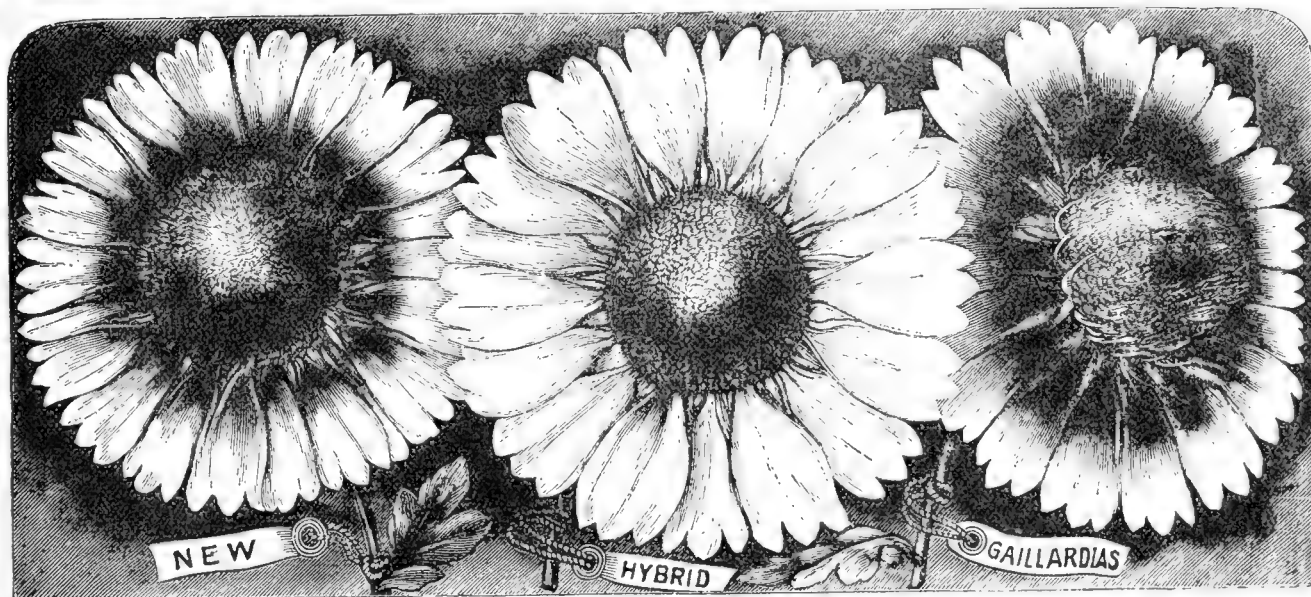
Although a new variety it is one of the best yet introduced, and is certainly the finest Godetia we have ever seen. It has immense flowers, often measuring 3½ inches in diameter. Color a deep crimson, shaded with carmine and delicately suffused with lilac. Per pkt., 15 cents.



DIANTHUS MONT BLANC.

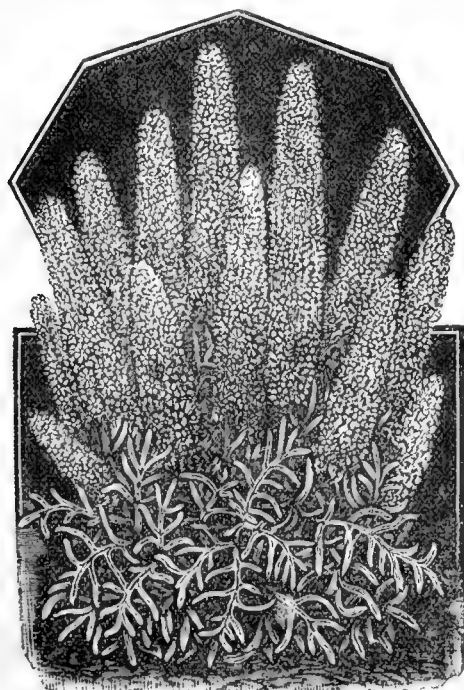


ASTERS, MAY'S CHALLENGE.



Our New Mixed Hybrid Gaillardias

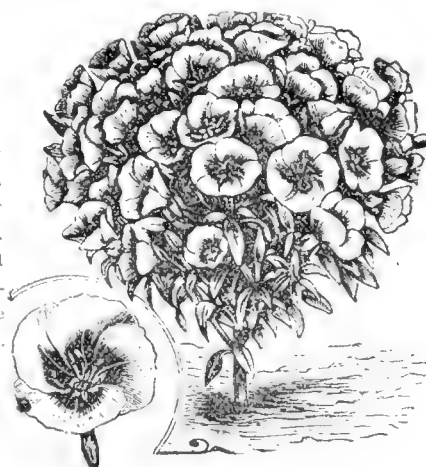
These are undoubtedly the finest varieties of the Hybrids, they are unrivaled for their richness and brilliancy of color. The flowers are large and very free blooming, continuing in bloom from early summer until late autumn. When grown in clusters they present a very handsome appearance. The seed which we offer is saved from the finest hybrid varieties. Per pkt., 15 cents.



MAY'S SPIRAL MIGNONETTE.

May's New Marigold, "Yellow Queen."

This is a new and distinct variety resembling somewhat the African Eldorado but has a much larger flower and more robust in habit. Flowers are magnificently quilled and very double; color orange shaded with golden yellow, making it the most showy of all the Marigolds. Per pkt., 15 cents.

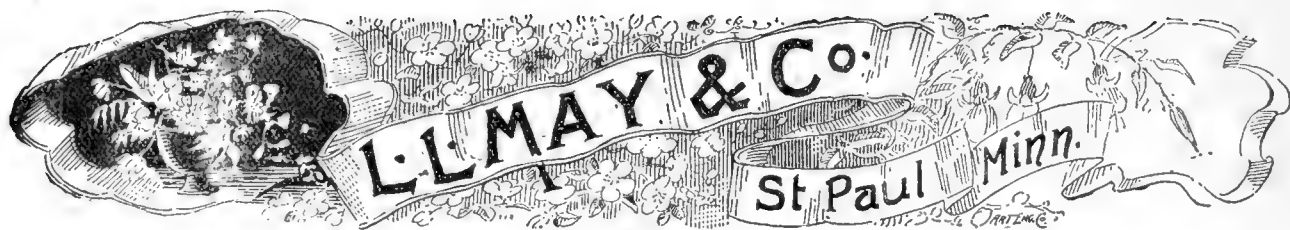


May's Spiral Mignonette.

This elegant variety which has been recently introduced is the finest of the mammoth Mignonettes, and is most favorably received on account of its large pure white spikes, which often measure from 18 to 24 inches in height. Per pkt., 15 cents.

NEW PANSY "Golden Queen."

As the years roll on, great improvements are being made in the viola family, more so indeed than in any other species of the hardy perennials. This variety is far superior to the common old yellow Pansy which has been before the public for the last few years. Flowers are a bright golden yellow and exceedingly large, often measuring 2½ inches in diameter. The seed which we offer is saved from the finest selected strains. Pkt 25c.



Minnesota Gem Collection of Pansies.

The following list embraces eight of the finest and most distinct varieties in cultivation. We firmly believe that in no section of the United States do Pansies attain such perfection as in this State. After years of careful cultivation we have selected the following list, feeling assured that they will give every satisfaction under ordinary care and treatment and we cheerfully recommend them to all our patrons, as being perfect in color, large size and symmetrical in form.

No. 1, BLOTCHED. No. 2, DARK BLUE. No. 3, GOLDEN YELLOW. No. 4, MAHOGANY COLOR. No. 5, STRIPED AND MOTTLED. No. 6, PURE WHITE. No. 7, PURPLE. No. 8, BLACK. Price per pkt. 15c., or the entire collection for \$1.00.



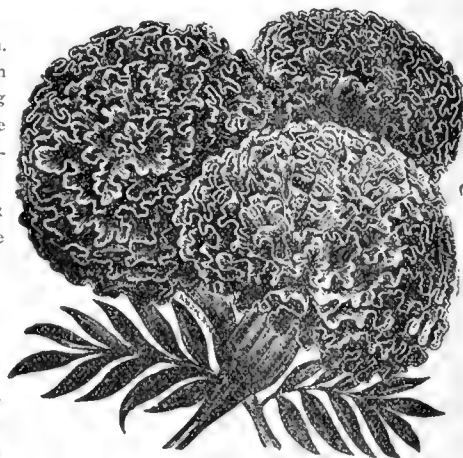
MINNESOTA GEM COLLECTION OF PANSIES.

THE DIAMOND COLLECTION OF SWEET PEAS.

The following collection embraces the finest varieties of the famous Eckford's Sweet Peas, which are justly famed on account of the fine form, increased size, and brilliancy of flowers. The merits of these varieties are so well known, that we feel they need no further recommendation from us. See colored illustrations on front of covers.

Princess of Wales—Carmine.
Cardinal Wolsley—Deep crimson.
Duchesse of Marlboro—New rose.
Lord Derby—Red.
Duchesse of Edinburgh—White, tinted with lilac.
W. E. Gladstone—Scarlet.
Empress of India—Purple.
Mrs. Langtry—White.
Victoria Regina—White and rose.
Lady Dalketh—Red and white.

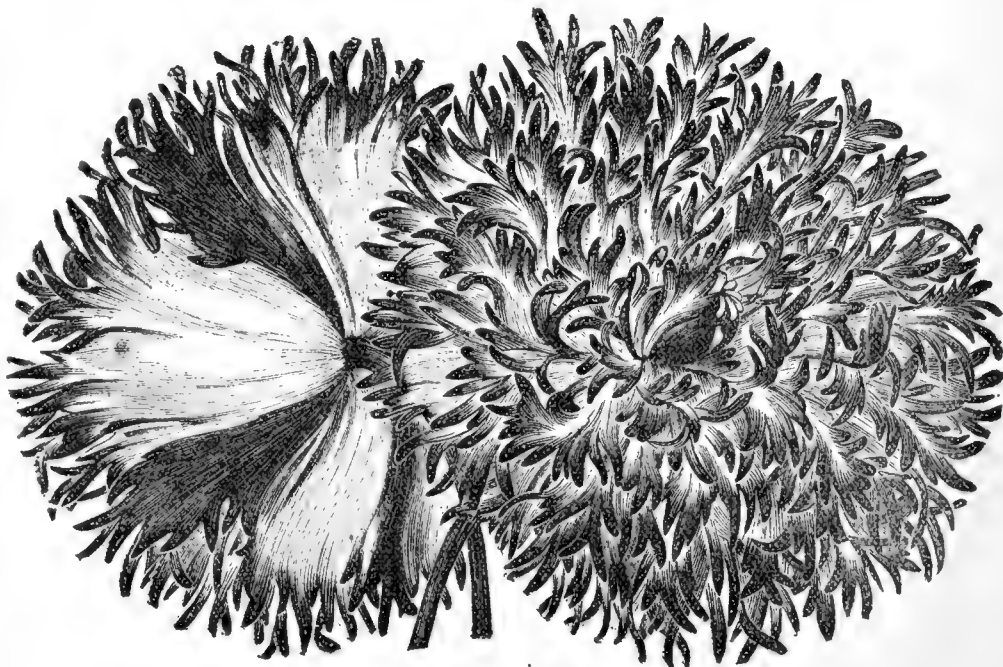
Price per packet 15c. or the entire collection \$1.25.



MAY'S NEW MARIGOLD.

Poppy, Mikado.

The petals of this beautiful new Poppy are solid at the base while the edges are cut and fringed. Flower is a pure white at the back, while the edges are a brilliant scarlet, which makes it one of the most attractive Poppies yet introduced. Per pkt., 15c.



POPPY, MIKADO.



PLANTS---NOVELTIES AND SPECIALTIES.

Begonia Semperflorens Gigantea Rosea.



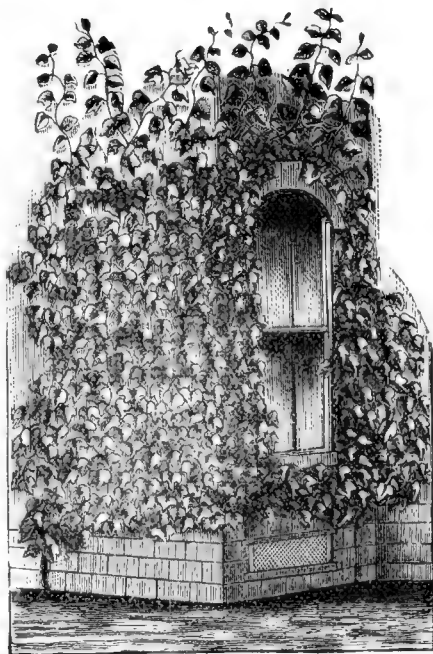
BEGONIA, SEMPERFLORENS GIGANTEA ROSEA.

hardy characteristics of the American woodbine, with beautiful glossy foliage, lacinated in fives and sometimes sixes. But it is quite distinct in having the clinging tendrils and self-supporting habit of A. Veitchi. In this respect, and also in brilliancy of coloring in the fall, it will rival the so-called "Boston Ivy;" and as the young plants are much more hardy and vigorous, and the foliage and growth are decidedly more graceful, it will undoubtedly become a great favorite as soon as it is known. This elegant climber has been fully tested in this climate and found to be perfectly hardy. Price, 1st size, \$1; 2d size, 50c.

A superb variety, not new, but very scarce, and well deserving special mention. A strong, upright grower, bearing gigantic trusses of a clear cardinal red, the bud only exceeded in beauty by the open flower, which is borne on a strong thick stem. The leaves are smooth and glossy and attached closely to the main stem, quite upright, growing and forming a shrubby round plant. Price, 25 cents each.

Ampelopsis Englemanni.

This plant was discovered by the world-renowned collector, Dr. Englemann, from which the present stock has been propagated, and is now for the first time offered for sale. It has the vigorous and



AMPELOPSIS ENGLEMANNI.

BEGONIA, Diadema.

An elegant new Begonia, particularly adapted for home culture, its large deeply cut foliage and its silvery dots and veins as well as the fine habit of its growth, make it one of the most marked varieties of recent introduction. Price, 25 cents each.

BEGONIA, Argentea Guttata.

A very pretty upright growing Begonia, with purple bronze leaves, oblong in shape with silvery markings. The flowers are white, borne on the tips of the stems. Very easy to grow and will give universal satisfaction. Price, 25 cents each.



BEGONIA, DIADEMA.

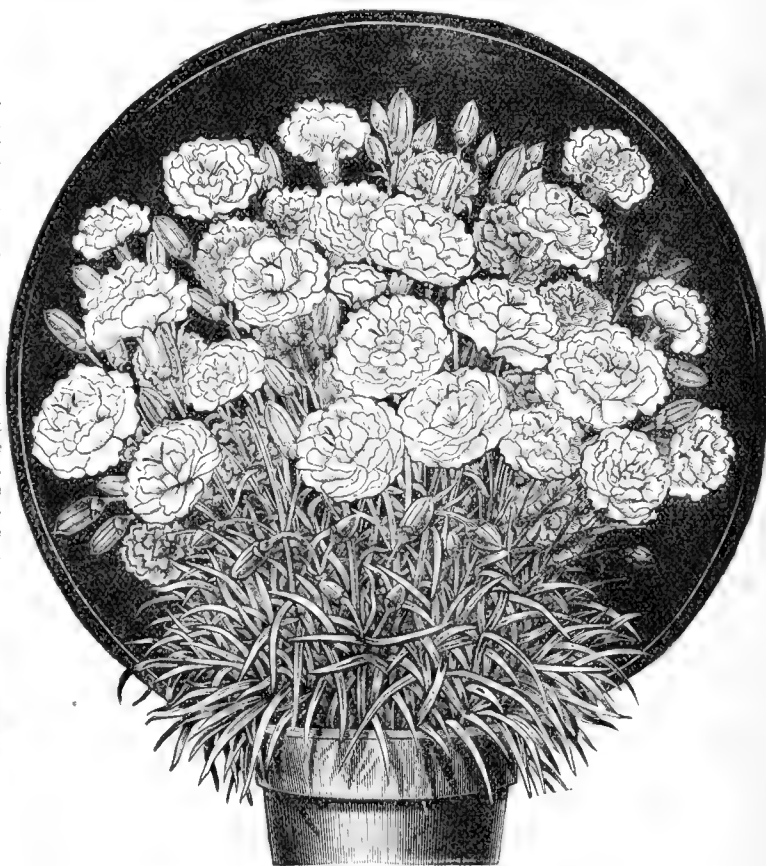


CARNATION, Silver Spray.

This we consider, taking all its character into consideration, the finest White Carnation we know of. Of strong robust habit, dwarf compact growth, very profuse bloomer, flowers produced on long stems, very large and well formed, never bursting, beautifully fringed, and of a pure white color. We shall propagate several thousands of this variety for our own growing the coming season for cut flower purposes. Price, 25 cents each; \$2.50 per dozen.

CARNATION, Tidal Wave.

The "Pink of Pinks," we believe this to be the most valuable Carnation ever offered of its color. It is a strong, healthy grower, producing flowers more freely than any colored Carnation that we know of. The flower is of a very bright pink shaded salmon when first opening, but growing brighter when fully expanded, giving us a new shade in Carnations, and one that never fails to please. The flowers are long stemmed and exceedingly fragrant. 25 cents each; \$2.50 per doz.



CARNATION, SILVER SPRAY.



CANNA, NEW FRENCH.

from June until frost. The flowers range in colors from the deepest crimson to light yellow, some being beautifully spotted like the finest orchids. They are entirely free from insects and diseases of every kind. The roots may be kept over from year to year like the dahlia or gladiolus, or if so desired most of the kinds can be kept on growing in doors and flowering during winter. Price, 50 cents each; \$5 per dozen.

Adolph Weick—Rich crimson, shaded orange.

B. Cousancat—Leaves green, very vigorous; flowers medium, very abundant, brilliant red.

Enfant de Cahors—Leaves purple; large carmine flowers.

CANNAS, New French.

The past season confirms the good opinion we formed of these summer garden favorites when first introduced. The spikes resemble gladiolus, but their much more brilliant colors show grandly against the tropical foliage. We had large beds of them on our grounds the past season, which were a wonder and source of admiration to our many visitors. They rarely exceed four feet in height, and bloom continuously



BEGONIA, ARGENTA GUTTATA.

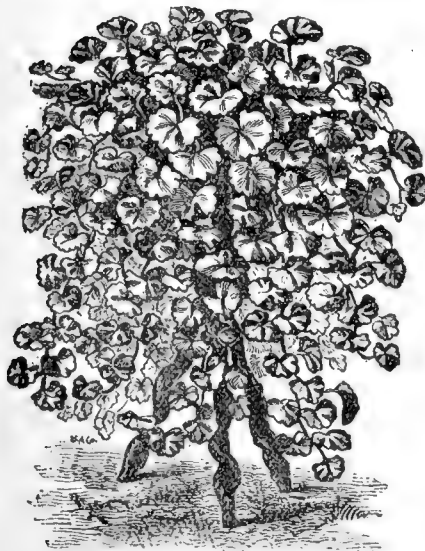
NORTHERN GROWN SEEDS & PLANTS.



CHRYSANTHEMUM, MRS. ANDREW CARNEGIE.

- Emile Le Claire**—Golden yellow, spotted crimson; foliage green.
Florifere—Green leaves; large flowers, yellow, spotted red. 4 ft.
Flamboyant—Dark green leaves; flowers purplish crimson scarlet. 3 feet
Multiflora—Very large red flowers. 2 to 3 feet.
M. Fenaud—Purple foliage, compact spikes, maroon flowers.
Roseaflora—Bluish green foliage; large rosy carmine flowers. 4 feet.
Revol Massot—Garnet flowers; green foliage; free blooming.
Vesuve—Foliage green; grand scarlet flowers. 3 feet.

CHRYSANTHEMUM, Mrs. Alpheus Hardy.



GLECHOMA HEDERACEA, VAR.



CARNATION, TIDAL WAVE.

This wonderful Chrysanthemum has created a sensation wherever shown, being entirely distinct from any other variety. It is pure white, of immense size, broad petal and incurved. The surface covered with what resembles white hairs, which have the richest possible effect. All attempts fail to give an idea of the beautiful feathery appearance the blooms present. One of the grandest novelties ever offered. Price, 50 cents each.

CHRYSANTHEMUM, Mrs. Andrew Carnegie.

The best Chrysanthemum yet produced from seed, either in America or Europe. The flowers are of an enormous size, rich crimson color, and fine form. A remarkably tree, strong grower and great bloomer. Awarded the silver cup and first class certificate at the New York Horticultural Society, and silver medal at Pennsylvania Horticultural Society, Philadelphia, Nov. 1888. Price, 50 cents each.

CHRYSANTHEMUM, Mrs. W. K. Harris.

Deepest rich golden yellow, thoroughly incurved. Probably the best yellow Chrysanthemum ever raised. In the way of Grandiflorum hitherto considered the best but far larger and better than that variety. It is certainly the finest yellow variety in cultivation for cut flowers or exhibition. 50 cents each.



GLECHOMA HEDERACEA, Var.

A variegated form of the common ground Ivy, which is prettily marked with pure white on a bright green ground. It is hardy and of vigorous growth like the parent variety, but unlike it the leaves of this have a refreshing fragrance similar to mint. It is one of our most useful plants for baskets, vases and boxes. It is also unequalled as a decorative plant for graves, being entirely hardy, and far superior to any plant we now know of for that purpose. Price, 20 cents each; \$2 per dozen.

New and Scarce Dahlias

A. W. Tait—(Cactus)—Entirely distinct from any other variety. Color pure white, very double, having the tips of the petals deeply serrated. Fine for cut flowers.

White Dove—Extra fine double flower, pure white, with perfect center, petals beautifully fringed. One of the finest. The cut flowers of this variety are much sought after by florists.



CHRYSANTHEMUM, MRS. ALPHEUS HARDY.

W. T. Abery—Broad flat petals of the purest showy white, the margin heavily banded with scarlet. A lovely flower and a perfect gem for cutting. 35 cents each; the 3 for \$1.

NEW GERANIUMS.

The following varieties are a careful selection from the most recently introduced sorts and are a grand improvement on the older varieties. Every person who has a collection of Geraniums should get the entire set. They are gems in every sense of the word.

DOUBLE FLOWERING VARIETIES.

A. Dupre—Flowers and trusses large dark crimson, one of the finest dark Geraniums grown.

Deruchette—Plant dwarf, very free, producing large trusses of a very clear pearly rose color; very distinct.

Geoffrey Saint Hillaire—Flowers and trusses very large semi-double, very free and of splendid habit, dark cerise red shaded violet; a very fine and beautiful variety.

L'Contable—Of perfect habit, very free, large full double flowers of a beautiful bright rose color; an extra fine variety.

M. Press—Enormous trusses of well formed flowers, rosy salmon brightened carmine, perfect habit.

M. Jovis—Trusses of immense size borne on long foot-stalks, large semi-double florets, very bright salmon, flesh color at the center, bordered with creamy white; fine.

Price, 25 cents each; set of 6 varieties for \$1.25

NEW SINGLE VARIETIES.

Alphonse Daudet—Trusses large, color salmon, very bright in center.

Leon Perault—A grand bedding variety raised by Bruant; enormous trusses of the most dazzling scarlet.

M. Janssen—Very bright rose; base of upper petals marked white, large trusses extra.

M. Alfred Mame—Flowers very large, of a bright red color; the trusses are of immense size and freely produced. The habit of the plant is strong like the double variety "Bruant."

Lumiere Electrique—A magnificent variety, one of the freest blooming Geraniums known; trusses of very large size and most perfect in form. Color rich crimson surrounded with orange, upper petals shaded with flaming orange.

Perle—Trusses large and of the most perfect form, of the purest white and very free blooming. A grand variety and should be in every collection.

Price, 25 cents each; the set of 6 varieties for \$1.25; full set of 12 new varieties \$2.00.

NORTHERN GROWN SEEDS & PLANTS.

GERANIUM, Bruanti.

A new semi-double variety quite distinct in its character. The leaf is round and nicely zoned, having greater texture and substance than the most vigorous of the older varieties. Color of the flower a light vermillion red of the most pleasing shade; the flowers are perfect in shape and borne in immense spherical balls often measuring eight inches in diameter. It does finely in the open ground and is perfectly reliable; as a bedding Geranium. As a pot plant for home cultivation it will give the greatest satisfaction. Price, 25 cents each; \$2.50 per dozen.

NEW DOUBLE GERANIUM, La Favorite.

This is undoubtedly the very finest double white variety in existence; very free blooming equalling the single varieties in this respect. Trusses very large and borne in great profusion; florets of the most beautiful form, and of the purest white in color. 25 cents each.

HELIOTROPE, Mad. Bruant.

Of the many kinds grown we have selected this as our leading variety, not only for its blooming qualities, but its distinctive character and its delightful perfume. The flowers are very large, of a bright lavender color, with a very large distinct white eye, immense trusses. 25 cents each, \$2.50 per doz.



HELIOTROPE.

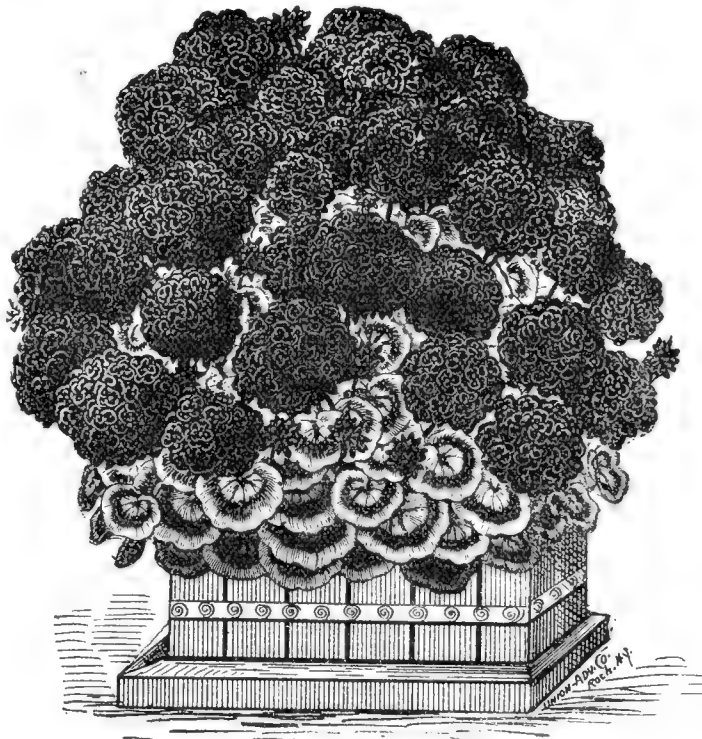
small hairs, giving the entire plant the appearance of being made of purplish blue and green velvet. Like the Begonia Rex it does not like water on the foliage. Stock limited. 35 cts. each.

GERMAN IVY—NEW VARIEGATED.

A variegated form of this popular house plant, having all the valuable requisites of the older variety, with beautiful golden and green foliage. 25 cents each, \$2.50 per dozen.

MUSA ENSETE, Abyssinian Banana Tree.

Nothing can exceed the majestic appearance of this grand plant, as a specimen in the lawn, conservatory or greenhouse. Its broad massive luxuriant green leaves attain a length of six feet and over. It is of the easiest culture and will thrive during winter in any moderately warm room or conservatory. \$1.00 each.



GERANIUM, BRUANTI.

GYNURA AURANTIACA.



MUSA ENSETE.



PRIMULA OBCONICA.

This is undoubtedly a plant for the amateur as well as the practical Florist. It blooms continuously for nine months in the year. The flowers are pale lilac or heliotrope color, bearing large clusters of flowers well above the foliage. Delights in a cool temperature, and will make a grand companion to the carnations requiring almost similar treatment; of very easy culture. 25 cents each.

New Mammoth Petunias.

This list of Petunias we consider as much superior to anything yet offered as the old lists were to the common garden varieties. They have been carefully selected from over 20,000 fine seedlings, and so fine were they that although offered a large sum for the six varieties described below, yet we preferred to hold on to them and give our own customers the opportunity of securing them first. They are the greatest novelties ever offered in this or any other country.

Gigantic—Dark carmine crimson, shaded dark lilac; very double and over four inches in diameter. A grand sort.

Excelsior—Pure white and dark lake, occasionally marked carmine, most beautifully interwoven, edges curled and crimped. $3\frac{1}{2}$ inches diameter. A grand sort.

Pochahontas—Carmine, crimson and lilac, with occasional blotches and stripes of white, very double. $3\frac{1}{2}$ inches diameter.

Powhattan—White, with a distinct lavender shading throughout the entire flower, occasionally marked on edges and base of petals with a crimson lake. Four inches diameter.

Gracie May—A magnificent variety, flowers immense size, regular shape, carmine, crimson, lilac, edged white; petals curled and crimped and beautifully laced. $3\frac{1}{2}$ inches diameter, full large center.

Massaniello—Dark lilac, marked white at base and edges of the petals; laced edges, very high center, sometimes marked bright carmine. An excellent variety. $3\frac{1}{2}$ inches diameter. Price 50 cents each; \$2.50 for set of six varieties.



PRIMULA, OBCONICA.

New Seedling Single Petunia, Peerless.

This beautiful novelty originated in our own grounds the past season and was singled out of many thousands of magnificent varieties. It is almost an impossibility to fully describe its wonderful beauties. The flowers are crimped, curled and fringed, very regular in shape, about two and one-half inches in diameter, and are borne in the greatest profusion. The prevailing colors are white, peach crimson, carmine and purplish velvet, all most beautifully and delicately interwoven around a dark crimson throat. One of the most striking novelties of the season and will vie in comparison to our most beautiful Pelargonium or Lady Washington geranium. Price 35 cents each.

New Double Petunia, Elevation.

This decided novelty is an entirely new departure in the line of color in this popular bedding plant, and one very much sought after. The color is a beautiful delicate silvery pink, having a darker shade of pink at base of petals. The edges are deeply serrated, size of flower fully three inches diameter, and delicately perfumed, habit of plant strong and vigorous. Price 35 cents each; \$3.00 per dozen.

NORTHERN GROWN SEEDS & PLANTS.

HYMENOCALIS (Pancratium) CORONARIUM, Spider Lily.

One of the best of the Amaryllis family. Flowers pure white and deliciously fragrant, frequently measuring nine inches across the top; of the easiest culture. Every person should try one. Price 25 cents each

PLUMBAGO CAPENSIS, Flora Alba.

This is an exact counterpart of Plumbago Capensis except in color, which in this novelty is a creamy white. This is one of the leading new plants and as a bedding, vase or basket plant will be found invaluable, as it is constantly in bloom throughout the season. 25 cents each, \$2.50 per dozen.

New Double Tropæolum, Darkness.

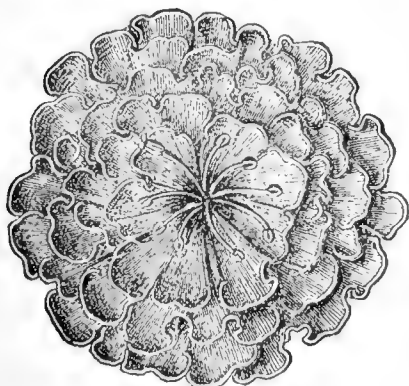
A charming new variety of dwarf bushy habit, with large double crimson velvet flowers, far excelling any previous variety of this delightful class of plants. Price 25 cents each.

NEW MAMMOTH VERBENAS.

The following varieties are entirely new, never having been before offered and were selected from a large number of seedlings the past season. They will prove upon trial to be far ahead of any yet listed.

PETUNIAS

- Black Knight**—Dark, rich, almost black, purple; a splendid bedder.
- Blue Boy**—Very dark blue with a distinct white eye; excellent habit.
- Dandy**—A fine large flower, flaked with pink, carmine and rose; a unique and charming variety.
- Miss Edith Vail**—Brilliant dazzling scarlet, large truss and florets. The best scarlet Verbena ever sent out.
- Beauty of St. Paul**—Bright rosy pink, shaded in center with light rose; very large truss.
- President Harrison**—Scarlet, flaked with violet purple, large white eye; a perfect gem in every respect.



NEW DOUBLE TROPÆOLUM.

Grover Cleveland—A rich velvety maroon, large white eye; a splendid variety.

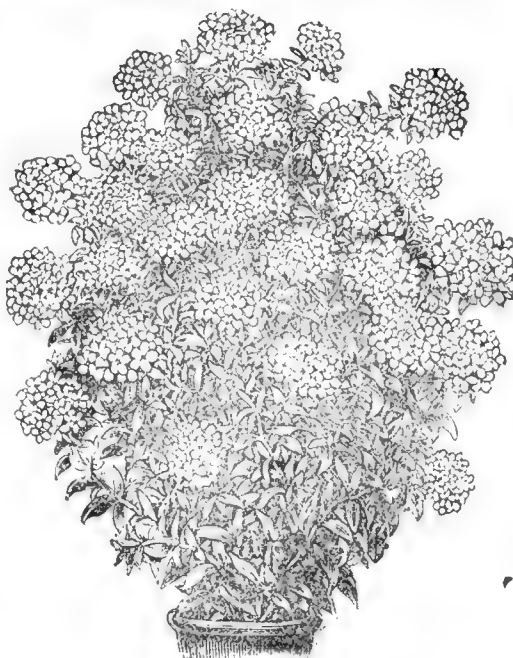
Snow Ball—Very large, pure white and very fragrant.

Viola—Rich violet purple, large white eye; very fine.

Willie Desmond—Clear brilliant salmon scarlet, large white eye, immense truss, very large florets.

Miss Edith Hopkinson—Delicate shell pink, large white eye, fine truss.

Price 20 cents each; \$1.75 for the set of eleven varieties.



PLUMBAGO CAPENSIS, FLORA ALBA.



SPIDER LILY.



NEW ROSES of SPECIAL MERIT.

The following three varieties are of recent introduction and we deem them worthy of special mention. For summer cutting they are unexcelled and are very reliable.

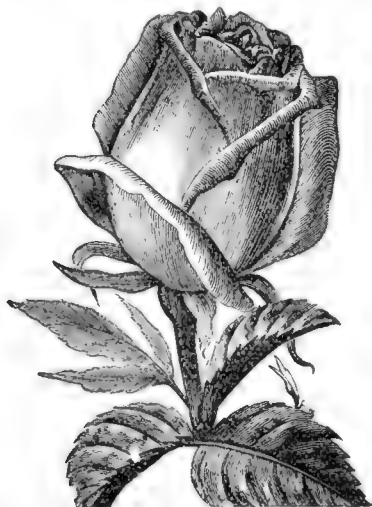
Meteor, Hybrid Tea—A rich dark Velvety crimson ever-blooming rose; as fine in color as the best of the Hybrid Perpetuals; the flowers are of good size, very double and perfect in shape, either as buds or when fully open. Asplendid sort for pot culture, and the best of all the Hybrid roses as a bedding variety for summer cut flowers, as it retains its color even in the hottest weather; with no shade of purple to mar its beauty. 1st size 75 cents each, and size 50 cents each; 3rd size 25 cents each.

Souvenir de Wooten—This new American seedling has proved to be all that is claimed for it: one of the best new roses of recent introduction. In growth it is remarkably strong and vigorous; the flower is of a velvety red color, finely perfumed, very prolific in its blooming qualities. The flowers are beautiful, either in the bud or fully open, and are very large. Its main recommendations are its great freedom from disease, strong habit of growth, and lasting qualities of the flower when cut. 1st size 75 cents; 2d size 50 cents; 3rd size 25 cents.

TEA EVER BLOOMING ROSE—Madam Cusin.

This is one of the greatest New York forcing varieties, and on account of its peculiar fancy color, commands an extra price. While not as strong grower as the preceding two varieties, still it can be classed as a robust grower and is in every respect as floriferous. The color however, is where its main points of excellence lie, being a soft shell pink with a delicate cream shade running through the entire flower; of good substance and excellent lasting qualities. This, we think, when well known will

prove to be one of the most popular Tea Roses of the day. 1st size 75 cents; 2nd size 50 cents; 3rd size 25 cents.



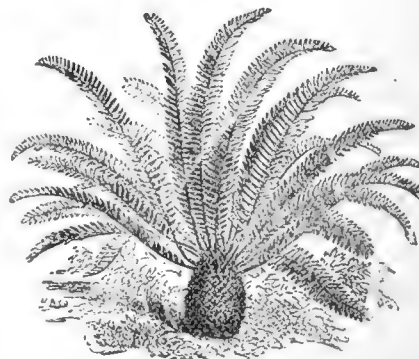
MADAM CUSIN.



SOUVENIR DE WOOTEN.

ZAMIA INTEGRIFOLIA.

It is a well-known fact that no plant offered to-day is so popular or adds so much to the beauty of house or lawn as the well-known Cycas Revoluta or Sago Palm, but its extreme high price places it beyond the reach of all but the wealthy class. In the Zamia we have its twin brother, as handsome in every respect, if not more attractive from its more fern-like appearance. The foliage is of a bluish green, very upright and majestic in its growth and very easily grown. It will succeed finely either in the house or as a specimen plant in the lawn. No person who loves plants can afford to overlook this splendid novelty. Price 25c. to \$2.00, according to size of bulb.



ZAMIA INTEGRIFOLIA.

NORTHERN GROWN SEEDS & PLANTS.



General Collection of Vegetable Seeds.

In preparing the following list of Garden and Field Seeds, it has been our aim to have it include all of the standard varieties of the day, as well as such novelties as a careful test in our trial grounds has proved to us to be worthy of our unqualified endorsement.

All doubtful sorts, or those which have become obsolete because of the introduction of new and better strains, have been carefully eliminated from our list, and our patrons can therefore make their selections with the assurance that they will receive seeds of the choicest quality only, and thus avoid the disappointment which so often follows the experimental trial of new and untried varieties.

SEEDS—POSTAGE PAID.

Our prices in the following list include the prepayment of all seeds ordered by the packet, ounce, quarter pound, pound, pint or quart, thus saving our patrons the trouble and annoyance of adding postage to our Catalogue rates. In some instances it may be preferable to send seeds by express, and to cover such cases, we give our rates on pounds, pints and quarts where they go by express at the purchaser's expense. In comparing our prices with those of other seedsmen, do not forget that at our rates, we send **postage paid**.

It is an acknowledged fact that **Northern grown Seeds** are superior to all others. They are earlier, more productive, of greater vitality, harder and produce better crops.

No extra charge for packing or delivering at express or freight offices.

While we exercise the greatest care to have all seeds pure and reliable, we do not give any warranty expressed or implied. If the purchaser does not accept the Seeds on these conditions, they must be returned at once.

CLUB RATES.

The wide distribution of our Seeds being a special object, we offer the following inducements to parties in any town or neighborhood, to club together and send their orders in one, by which many can avail themselves of our liberal premiums; also to individuals to enlarge their orders. These rates apply only to **Seed in Packets**, Flower, Vegetable, &c., which on the receipt of the amount ordered, will be put up separately and sent by mail, Postage Paid, in a package to one address, or if desired will be sent in **separate packages** to each individual of a club, if their names and post offices are given:

Purchasers remitting \$1.00 may select seeds in packets at catalogue prices amounting to \$1.25	
" " " 2.00 " " " " " "	2.50
" " " 3.00 " " " " " "	3.75
" " " 4.00 " " " " " "	5.00

On all amounts above \$5.00, 25 cents additional for each dollar's worth.

The above club rates apply only to Flower and Vegetable Seeds **by the Packet**, and not to Seeds by weight or measure, nor to any Bulbs or Plants.

Market Gardeners, or other large planters, requiring larger quantities of Seeds than are here offered, are invited to write to us for special prices.

Asparagus.

One oz. for 60 feet drill. For roots, see Vegetable Plants.

As it requires about three years from time of sowing before the bed is in full bearing, seed should be sown in drills about one foot apart, and when the plants are four or five inches high, they should be thinned out so that the plants will be one foot apart in all the rows. Great care should be exercised the first year to keep down all weeds as soon as they appear, else they will choke up and destroy the young seedling. Every fall a good dressing of coarse manure should be applied after the tops have been cut, and in the spring be well forked in. A dressing of coarse salt given in the spring at the rate of two pounds to the square yard will be found very beneficial.

Conover's Colossal—The standard sort. Pkt. 5c., oz. 10c., ¼ lb. 20c., 1b. 60c., postpaid; by express, 1b. 45c.

Palmetto—See our Specialties. Pkt. 15c., oz. 30c., ¼ lb. \$1, postpaid.

Beans.

DWARF OR BUSH.

CULTURE.—About the first of May, select a warm, dry sheltered spot, dig and manure slightly; make drills two inches deep and



EXTRA EARLY
VALENTINE.
\$1.25, bush. \$4.00.

two feet apart; drop the beans three inches apart in the drill, and cover not more than two inches deep, keep hoed, when not wet, and the weeds killed. Sow every two weeks for a succession.

GREEN PODDED SORTS.

Improved Red Valentine—This variety is so much earlier and more desirable than the common Red Valentine, that we do not catalogue the latter. This Bean is most desirable for either market or family use, being early, productive, tender, and of excellent flavor. The pods are round, somewhat curled, and the seeds when ripe, salmon speckled with purplish rose. Pkt. 5c., pt. 25c., qt. 45c., postpaid. By express, pt. 15c., qt. 25c., pk. \$1.25, bush. \$4.00.

Early Mohawk—One of the hardiest and most productive of the green pod varieties. Pkt. 5c., pt. 25c., qt. 45c., postpaid. By express, pt. 15c., qt. 25c., pk.

Long Yellow Six Weeks—One of the earliest. Similar to the Mohawk, except in color of seed, which is yellowish drab; pods tender; good for general crop. Pkt. 5c., pt. 25c., qt. 45c., postpaid. By express, pt. 15c., qt. 25c., pk. \$1.25, bush. \$4.00.

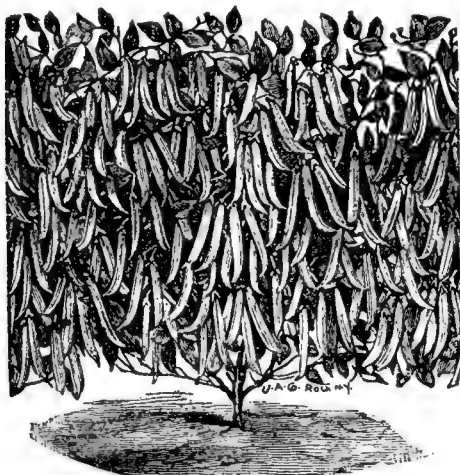


Refugee, or Thousand to One—Hardy, abundant bearer, thick and tender. One of the best for late planting, also for pickling, for which it is extensively cultivated. Pkt. 5c., pt. 25c., qt. 45c., postpaid. By express, pt. 15c., qt. 25c., pk. \$1.25, bush. \$4.00.



MONT D'OR.

Early China Red Eye—One of the standard varieties; very early; pods green, seeds white with a red eye. Pkt. 5c., pt. 25c., qt. 45c., postpaid. By express, pt. 15c., qt. 25c., pk. \$1.25, bush. \$4.00.



CALIFORNIA TREE.

California Tree—Pkt. 10c., pt. 25c., qt. 50c., postpaid. By express, pt. 15c., qt. 25c., pk. \$1.25, bush. \$4.00.

White Marrow—Extensively grown for sale in the dry state. It is also valued as a string bean; seeds, ivory white. Pkt. 5c., pt. 25c., qt. 45c., postpaid. By express, pt. 15c., qt. 25c., pk. \$1.50, bush. \$5.00.

White Navy—Standard variety for field culture; very productive and used only for culinary purpose in the dry state. Pkt. 5c., pt. 25c., qt. 40c., postpaid. By express, pt. 15c., qt. 25c., pk. \$1.00, bush. \$3.75.

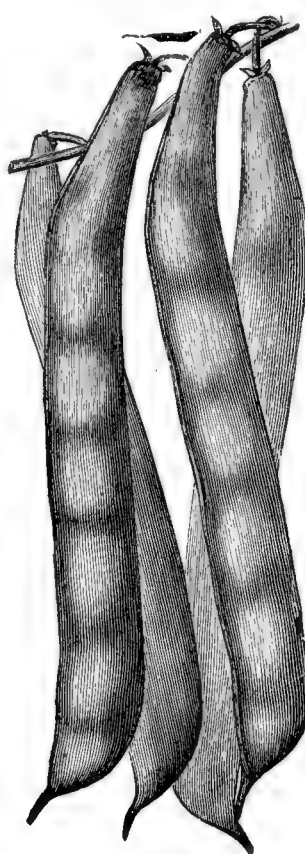
White Kidney—An excellent shell bean, the seeds are large size and perfectly white. Pkt. 5c., pt. 25c., qt. 45c. By express, pt. 15c., qt. 25c., pk. \$1.25, bush. \$4.50.

New Boston Pea Bean—See our Specialties. Price, pkt. 10c., pt. 25c., qt. 50c., postpaid. By express, qt. 40c., pk. \$1.75, bush. \$6.00.

Henderson's New Bush Lima—See our Specialties. Pkt. 15c., pt. 75c., postpaid.

WAX PODDED VARIETIES.

German Black Wax—One of the best varieties; pods when fit for use are waxy yellow, very tender, and of fine flavor. It is a heavy yielder. Per pkt. 5c., pt. 25c., qt. 50c., postpaid. By express, pt. 15c., qt. 25c., pk. \$1.50, bush. \$5.

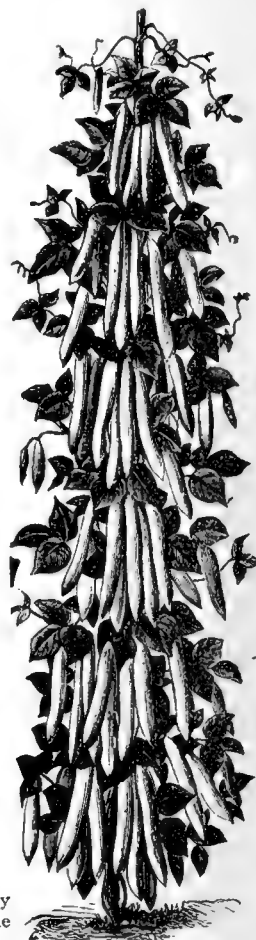


NEW KIDNEY WAX.

New Kidney Wax—This is regarded by many as the most desirable of all the wax podded varieties. It is at least a week earlier than the Black Wax; the pods are long, brittle, entirely stringless and of a rich golden color. As a snap bean, it perhaps excels all others in tenderness and richness of flavor. Per pkt. 5c., pt. 25c., qt. 45c., postpaid. By express, pt. 15c., qt. 25c., pk. \$1.75, bush. \$6.



GOLDEN WAX.



FLAGEOLET WAX.

Flageolet Wax—One of the best sorts for market or family use; as early as either the Golden or Black Wax, and is almost exempt from rust. Per pkt. 10c., pt. 25c., qt. 50c., postpaid. By express, pt. 15c., qt. 30c., pk. \$1.75, bush. \$6.

Golden Wax—This is the earliest of the Wax Beans. The pods are large long, and entirely stringless, and of the rich golden color. As a snap bean it excels in tenderness and rich, buttery flavor. Very prolific, of dwarf habit and compact growth. Per pkt. 5c., per pt. 25c., per qt. 50c., postpaid. By express, pt. 20c., qt. 35c., pk. \$1.50, bush. \$5.

Ivory Pod Wax—Very tender, and an excellent shell bean. It is a week earlier than the

NORTHERN GROWN SEEDS & PLANTS.

Black Wax, bearing long pods of a waxy white color; entirely stringless. Per pkt. 5c., pt. 25c., qt. 50c., postpaid. By express, pt. 15c., qt. 30c., pk. \$1.75, bush. \$6.

BEANS POLE.

These are more tender and require more care in culture than the dwarf varieties, and should be sown two weeks earlier. Set poles eight to ten feet long four feet apart each way, and plant four to six beans around each pole, eye downward. Thin out to three plants to each pole, if the soil be rich. A more perfect growth will be effected by pinching off the ends when the plants overrun the top of the poles. The Lima Beans for early use may be grown in frames and transplanted. Soil should be of a sandy nature and well enriched with well rotted short manure.

Large Late Lima—The standard summer and winter shell bean. Large greenish white beans of finest flavor, shelled green, also good dried for winter use. Pkt. 5c., pt. 35c., qt. 70c., postpaid. By express, pt. 25c., qt. 50c., pk. \$2.25, bu. \$8.00.

Extra Early Lima—These are nearly as large, and fully equal in quality to the Large Lima, and mature fully two weeks earlier. Vines vigorous in growth, and bear profusely. Pkt. 5c., pt. 35c., qt. 70c., postpaid. By express, pt. 25c., qt. 50c., pk. \$2.50.

Dreer's Improved Lima—Somewhat later, but more prolific than the Large Lima. The bean is thick and round, of excellent flavor. Pkt. 5c., pt. 35c., qt. 65c., postpaid. By express, pt. 25c., qt. 50c., pk. \$2.50.

Black Wax—One of the best as a snap short, or shelled in the green state. Pkt. 5c., pt. 30c., qt. 50c., postpaid. By express, pt. 20c., qt. 40c., pk. \$2.25.

Glant Wax—Pods from 6 to 9 inches long, thick and fleshy, of a yellow waxy color, and most excellent flavor. Pkt. 5c., pt. 35c., qt. 65c., postpaid. By express, pt. 25c., qt. 50c., pk. \$3.

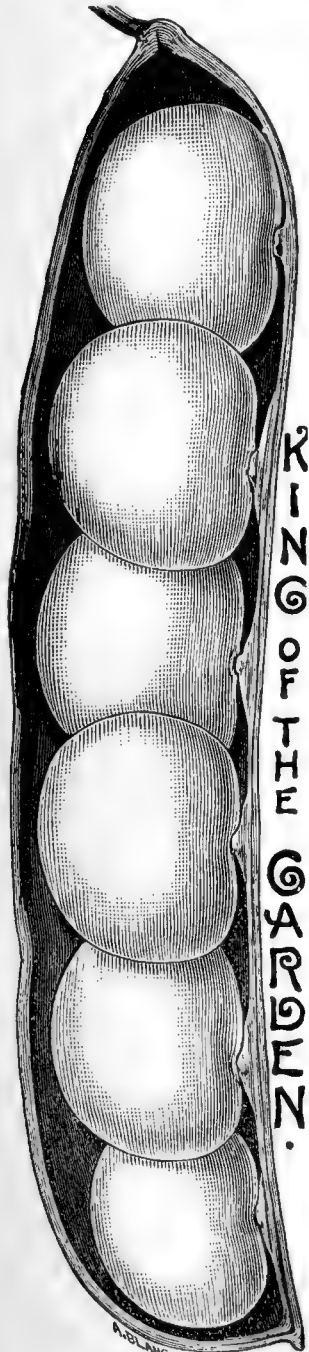
King of the Garden Lima—A vigorous grower, bearing profusely. As the vines grow very luxuriantly two are sufficient to each pole. The beans are large and of fine flavor. If not too closely planted they set beans early and continue bearing until killed by frost. A very desirable variety for market gardeners. Pkt. 5c., pt. 35c., qt. 70c., postpaid. By express, pt. 25c., qt. 50c., pk. \$2.00, bu. \$7.00.

May's Champion Lima—See Specialties for description. Pkt. 10c., pt. 50c., qt. \$1.00, postpaid.

White Dutch Case Knife—A very early variety, and most productive. Good as either a snap or shell bean. Pkt. 5c., pt. 30c., qt. 55c., postpaid. By express, pt. 20c., qt. 40c., pk. \$2.00.

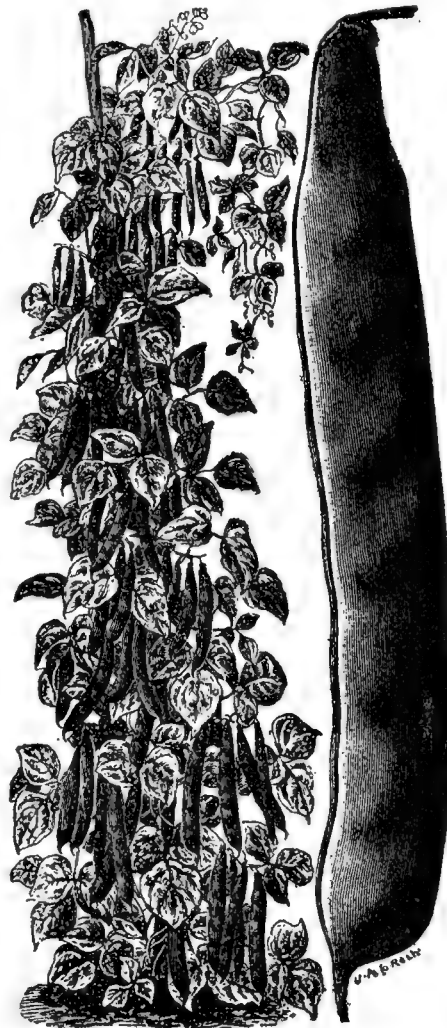
Scarlet Runner—An ornamental as well as useful variety. It grows from 8 to 10 feet high, producing clusters of beautiful scarlet flowers. Pkt. 5c., pt. 25c., qt. 50c., postpaid. By express, pt. 15c., qt. 30c., pk. \$2.00.

Horticultural or Speckled Cranberry—An old favorite for either a snap, short or shelled, in the green or dry state. Pkt. 5c., pt. 25c., qt. 50c., postpaid. By express, pt. 15c., qt. 30c., pk. \$1.75.



KING OF THE GARDEN LIMA.

qt. 65c., postpaid. By express, pt. 25c., qt. 50c., pk. \$2.00, bu. \$7.00.



LAZY WIFE'S POLE BEAN.

Lazy Wife—This popular pole bean which was introduced about four years ago has become a general favorite. Very productive, pods from four to six inches in length, of a dark green color and entirely stringless. The beans are pure white and are excellent winter shell beans. Pkt. 5c., pt. 40c., qt. 75c., postpaid. By express, pt. 25c., qt. 50c., pk. \$3.00.



Beets.

CULTURE.—Sow as early in the spring as the ground can be worked, and every two weeks after for a succession, up to the first week of July. The soil should be a light sandy loam, well enriched with stable manure, plowed and harrowed until very fine. For general crop, sow about the middle of May. Sow in drills one foot to fifteen inches apart, and when well up, thin from four to six inches. The young beets pulled out of the rows are excellent, used for spinach.

The Sugar and Mangel Wurtzel varieties, should be sown from April to June in drills two feet apart, and afterwards thinned out to one foot apart in the rows.

Eclipse—Remarkable for its rapid growth, extreme smallness of top, and extra fine quality. The Eclipse is pronounced by market gardeners, unequalled for earliness, color, and productiveness. Per pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 70c., postpaid.

Extra Early Egyptian—A standard sort, being from ten to twelve days earlier than the old Blood Turnip. The roots are large in size and of a rich, deep crimson color. From the smallest of the tops of the Egyptian, at least one-fourth more can be grown on the same space than any other variety. Per pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c., postpaid.

Early Blood Turnip—An old standard sort of fine quality. Per pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 50c., postpaid.



BASSANO.

Bassano—One of the earliest and best, a little flatter than the Blood Turnip, but equally tender and juicy. Per pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c., postpaid.

Long Dark Blood—A good late variety for fall and winter use; sweet and tender. Per pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 50c., postpaid.

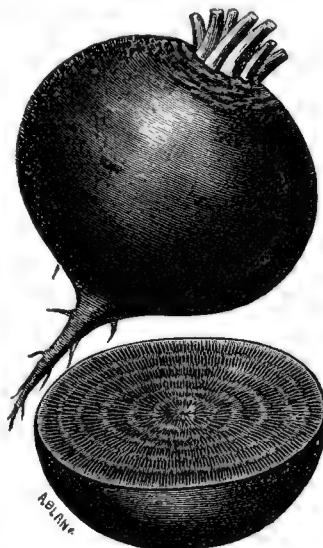
Lentz—See specialties for description. Price, per pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.00, postpaid.

Pine Apple (new)—An excellent half long variety; foliage dark red; roots of a rich, crimson color. Per pkt. 5c., oz. 15c., ½ lb. 35c., lb. \$1.00, postpaid.

Dewing's Improved Blood Turnip—An improvement over the common Blood Turnip. Is of fine form and flavor, and an excellent market sort. Per pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c., postpaid.

Swiss Chard—The mid-rib is stewed and served as Asparagus, and the leaves used as Spinach. Per pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c., postpaid.

Edmond's Blood Turnip—A variety which is very regular in shape, deep blood skin and very dark flesh of best quality. This is a favorite with the market gardeners. Per pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c., postpaid.



ECLIPSE.



DEWING'S

more profitable crops for our farmers to raise than these which can be obtained by sowing our selected strains of Sugar Beets and Mangels.

The value of these for stock feeding cannot be over-estimated, analysis having demonstrated the fact that 400 lbs. of Mangels are the equivalent of 100 lbs. of the best hay. During the past year crops of 1,500 to 2,500 bush. on one acre were raised in the state of Minnesota from seed obtained from us. Secure equally profitable crops for yourself by ordering your seed from us.

May's Mammoth Long Red Mangel—We claim our strain of this well-known variety to be the very finest ever offered in the Northwest. We had specimen roots sent us this year that weighed 30 lbs., and which were of the very finest quality and texture. The crops obtained from our strain of seed are remarkable for the broad shoulder and massive shape of the root, whereby a greater weight is obtained without that coarseness always inherent in the unimproved seed stocks. Per pkt. 5c., oz. 10c., lb. 60c., postpaid. By express, lb. 50c.; 5 lbs. \$2.



MAMMOTH LONG RED.

Golden Tankard Mangel—This distinct variety is a valuable addition to our list of roots for stock feeding, as it contains less water and more sugar than any other variety of Mangel. The flesh is a deep rich yellow color, very nutritious and of great milk-producing quality. We regard this variety as indispensable to every dairy man. Per pkt. 5c.; oz. 10c.; lb. 50c., postpaid. By express, lb. 40 c.; 5 lbs. \$1.75.



GOLDEN TANKARD.



CHAMPION YELLOW GLOBE.

Long Red—Grown extensively for agricultural purposes and the seed we offer, although not as fine a strain as May's Mammoth, is strictly first-class and reliable in every respect. Pkt. 5c.; oz. 10c.; lb. 30c.; 5 lbs. \$1.25, postpaid.

Champion Yellow Globe—Smooth globe shaped roots of large size and of excellent quality, an enormous cropper. Pkt. 5c., oz. 10c., lb. 40c., postpaid. By express, lb. 30c., 5 lbs. \$1.25.

Red Globe Mangle—A large red oval variety, keeps well and is especially adapted to low soils. Pkt. 5c., oz. 10c., lb. 40c., postpaid. By express, lb. 30c., 5 lbs. \$1.25.

Imperial Sugar Beet—This is the most popular variety of sugar beet for feeding stock. It will yield as much as most mangels, and contains eight per cent sugar. The large amount of healthy and nutritious food which can be produced at so small a cost makes this root very profitable to stock farmers. It has yielded thirty to forty tons per acre, the cultural cost of which was only five cents per bushel. Pkt. 5c., oz. 10c., lb. 40c. By express, lb. 35c., 5 lbs. \$1.50.



IMPERIAL SUGAR BEET.

Sugar Beets & Mangel Wurzels

FIVE TO SIX POUNDS WILL SOW ONE ACRE.

Considering the trifling expense of their cultivation there are no

NORTHERN GROWN SEEDS & PLANTS.

Broccoli.

CULTURE.—Nearly allied to the Cauliflower, but more hardy. The seed should be sown in this district in the early part of May, and transplanted in June; further south, the sowing should be delayed until June or July, and the transplanting accordingly from August to October. In parts of the country, where the thermometer does not fall below 20 to 25 degrees, Broccoli may be had in perfection from November until March. It succeeds best in a moist and rather cool atmosphere.



White Cape—Heads medium size close and compact and of a creamy white color; flavor most excellent. Pkt. 10c., oz. 35c., ¼ lb. \$1.25, postpaid.

Purple Cape—Considered by many the best for the north, producing fine heads of a purplish brown color. Pkt. 10c., oz. 35c., ¼ lb. \$1.25, postpaid.

Borecole.

SEE KALE.

Brussels Sprouts.



CULTURE.—Sow in May in the same manner as Cauliflower, and transplant in July one foot apart in the rows. In gardens both large and small, Brussels Sprouts are without exception the very best winter vegetable that can be grown. Not the least valuable point connected with the Brussels Sprouts is that they are as hardy as the common curled Greens. The common cabbage is hardy enough in a young state, but when full grown and hearted, frost soon destroys the largest heads, which rot and fall to pieces. Not so the Brussels Sprouts. Being small and hard, they are not in the least affected by frosts. The real sprout is not much larger than a marble, and as firm and hard almost as the stalk itself. These are the sort which cooks prefer; they strip off their outer covering, cook them whole, and serve them up artistically in that fashion. When cooked through and no more, such sprouts melt in the mouth like the tenderest Cauliflower, and are equally good.

Dwarf Improved—A standard variety producing compact heads of fine quality. Per pkt. 5c., oz. 15c., ¼ lb. 50c. post paid.

Cabbage.

We take especial pleasure in recommending our strains of Cabbage to our patrons. Exercising as we do the utmost care in the growth and selection of our seed stocks, we know that the Cabbage seed which we offer is unsurpassed in quality. We do not offer two strains of one variety, as we deem the best none too good for those who kindly favor us with their orders. Cabbage will thrive on any good corn land, though the stronger the soil the better they will develop. New land is preferable. Plough deep and manure very liberally. The early sorts bear planting from eighteen inches to two feet apart in the rows, with the rows from two to two and a half feet apart; the large varieties to be from two to four feet apart in the rows, with rows from two and a half to four feet apart, the distance varying with the size. The crop should receive as many as three hoeings and three cultivatings. Cabbage will not usually follow cabbage or turnips successfully in field culture, unless three or four years have intervened between the crops.

Express—This valuable variety which was first introduced three years ago, is all that was claimed for it by the introducers. Excels in earliness all the sorts we have grown, and has the shape of the Etampe cabbage, but is smaller and eight to ten days earlier; has few outside leaves and therefore may be planted very close. It makes a large, hard head, of very handsome appearance; cooking qualities are excellent. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50, postpaid.

Early Jersey Wakefield—Our strain of this most popular Cabbage is we believe unequalled. The heads are conical in shape, compact, very hard and with very few outside leaves. Seed such as we offer is very cheap at price charged and we know better cannot be had at any price. Per pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50, postpaid.



EARLY SUMMER

Early Summer—A deservedly popular variety. It forms large solid round flattened heads of excellent quality, as the heads are nearly double the size of other early varieties, the Early Summer is regarded by many market gardeners as one of the most profitable early varieties. Our seed is true and grown from selected heads. Per pkt. 5c., oz. 25c., ¼ lb. 65c., lb. \$2.50, postpaid.

Early York—An old standard variety of excellent quality. Per pkt. 5c., oz. 15c., ¼ lb. 35c., lb. \$1.25, postpaid.

Early Winningstadt—A fine tender variety of conical shape and excellent quality. Per pkt. 5c., oz. 15c., ¼ lb. 45c., lb. \$1.50, postpaid.



ALL SEASONS.

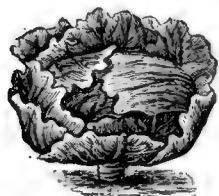
All Seasons—This is a very fine variety and one of the best for general use. The heads of this Cabbage are very large, also thick through, making it an excellent sort, either for extreme early, for Fall or Spring marketing. Per pkt. 5c., oz. 30c., ¼ lb. \$1.00, lb. \$3.00, postpaid.

Succession—See specialties for description. Per pkt. 20c., oz. \$1.00, ¼ lb. \$3.50, postpaid.

American Improved—Without a question the best of all the Savoy. Produces very large heads of the finest quality. Pkt. 5c., oz. 20c., ¼ lb., 60c., lb. \$2.25 postpaid.



Mammoth Marblehead—Of enormous size, single heads sometimes weighing fifty lbs. In quality not quite as good as the small growing varieties. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.25, postpaid.



LATE FLAT DUTCH.

superior. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00, postpaid.

Large Late Drumhead—A favorite winter variety, a little later than the Flat Dutch, of fine quality. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00, postpaid.

Filder Kraut—Round pointed conical heads of large size; can be used as a medium early or late. Pkt. 5c., oz. 20c., postpaid.

Red Dutch—Probably the hardest of all the cabbages and used almost exclusively for pickling. Will keep later in the season than any of them. Slow to mature and requires very rich soil for its perfect development. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00, postpaid.

Large Red—Very large, solid, red head; one of the finest of the red varieties. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50 postpaid.

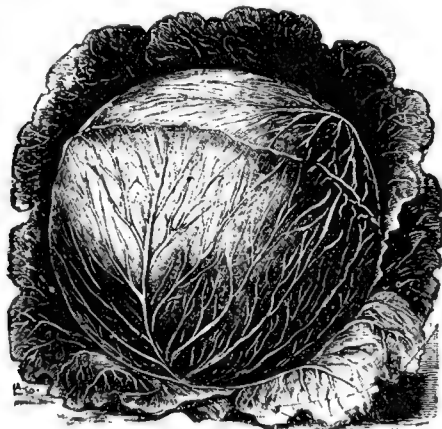
Fottler's Improved Brunswick—One of the earliest of the large heading Drumheads, and a most desirable kind for the Northwest. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.25 postpaid.



LARGE LATE DRUMHEAD



RED DUTCH.



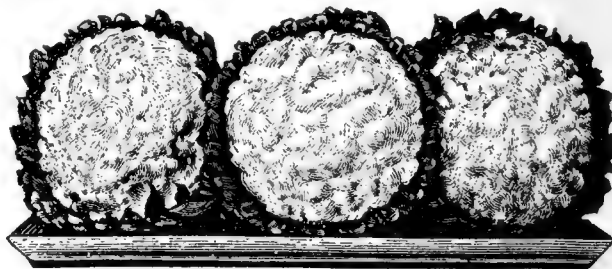
SUREHEAD.

Surehead—This variety has been most properly named, as it never fails to make a remarkably fine, solid head, with but very few outer leaves. It is a strong, vigorous grower, ripening late, and always brings the highest price in our markets. Flavor sweet, keeps well and is a good shipper. It is second to none as a main crop cabbage, and we recommend it to all growers. Pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50 postpaid.

Gauliflower.

CULTURE—Any soil that will grow cabbage will grow cauliflower, as their requirements are almost similar; but as the product is much more valuable, extra manuring and preparation of the soil will be well repaid. The seeds may be sown in September, and wintered

over in the same manner as prescribed for early cabbage. Where this is not practicable, it may be had just as well, by sowing the seeds in the hot-bed in January or February, and transplanting the plants at two or three inches apart, in boxes or in the soil of another hot-bed, until such time as they are safe to be planted in the open ground, which in this latitude, is usually from the 15th of March to the 10th of April. If properly hardened off, they are seldom injured by planting out too early.



EARLY SNOWBALL.

Early Snowball—Undoubtedly the best variety of the early sorts. We offer to our customers the genuine seed, secured by us from the original grower. Per pkt. 25c., $\frac{1}{2}$ oz. \$2.50, oz. \$4, postpaid.



EARLY LONDON.

Early London—Highly esteemed as first early variety. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.50, postpaid.



EXTRA EARLY PARIS.

Extra Early Paris—Second early; large white heads of fine quality.

Selected Extra Early Dwarf Erfurt—Remarkable for its reliability in heading. Scarcely a plant fails to produce a good head. Very solid, with pure white heads of superior quality. Pkt. 25c., $\frac{1}{2}$ oz. \$2.50, oz. \$4, postpaid.

Algiers—A popular market gardener's sort; grows to an immense size. Pkt. 10c., oz. 60c., $\frac{1}{4}$ lb. \$2, postpaid.

Carrots.



EARLY FORCING.

CULTURE—Sow as early as the ground can be worked; or for late crop, until latter part of July. For main crop, sow from the middle of May to 1st of July. Thin out early crop to five inches in row, main crop six to seven inches; the rows ten inches apart for early crop, fourteen for main crop. Hoe often and deeply between the rows. Soil, light sandy loam, richly manured and deeply dug.

Early French Forcing—This variety, which is grown largely for forcing purposes, is the earliest in cultivation. It makes a small, almost globe shaped root, of an orange-red color. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00, postpaid.

Half Long Stump-Rooted (Nantes.)—Skin, smooth; a nearly cylindrical, stump-rooted variety, having little or no core. Flesh, red and of fine flavor. Esteemed in France as the leading table variety. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00, postpaid.

Half Long Danvers—A magnificent variety of American origin. Tops, medium and dark colored; skin, smooth and handsome; root, mostly under ground. Somewhat "stump-rooted," compact, and easy to harvest. Flesh, deep orange with yellow center; sweet and



HALF LONG STUMP-ROOTED (NANTES.)

NORTHERN GROWN SEEDS & PLANTS.



HALF LONG DANVERS.



BEST LONG ORANGE.



OXHEART CARROTS.



LARGE WHITE BELGIAN.

tender. Very productive, often yielding from twenty to thirty tons per acre. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00, postpaid.

Best Long Orange—Equally adapted for farm or garden culture. It is of large size; fair specimens averaging twelve inches in length, with a diameter of three inches at the top; color, orange red. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid. By express, 5 lbs. \$3.00.

Large White Belgian—This is a most desirable variety for stock feeding. It attains the largest size, and will yield more in bulk than any other kind. It produces a large crop of leaves, which make most excellent soiling. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c. By express, lb. 50c., 5 lbs. \$2.00.

Querande or Oxheart—This variety, lately introduced from France is a most valuable one. Extra fine quality, beautiful shape and very productive. Color a rich orange. In length it is intermediate between the Danvers and Short Horn Carrot. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50, postpaid.



WHITE PLUME.

After the trench is filled, it should be covered with straw or leaves, as a protection from frost. Do not cover until the weather becomes quite cold, and then only a little at a time, as the cold becomes greater. Celery will bear a good deal of frost. The trench must have a good drainage.

Bouquet—See Specialties for description. Pkt. 15c., 6 pkts. 75c.

White Plume—A magnificent variety, and very popular with market gardeners. The foliage is a natural white and requires but little banking to blanch. It is also highly ornamental for the table on account of its silvery white leaves; flavor is excellent; solid and crisp. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1, postpaid.

Crawford's Half Dwarf—This variety is very popular in the markets of New York and vicinity, and is the original of the Henderson's Half Dwarf, now so popular; it is a good keeper, of yellowish-white color, crisp and solid. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 75c., postpaid.

Boston Market—A great favorite with, and grown largely by, Boston market gardeners; undoubtedly one of the best; very tender, crisp, and mild; our stock has been procured from one of the best growers in the vicinity of Boston. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 75c., postpaid.

Dwarf Crimson—That crimson celery is far superior to white is never doubted by any one who has ever tasted it; it is better flavored and more crisp; this is a red sort of most excellent quality. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 75c. postpaid.

Giant White Solid—A large growing variety, standard sort, solid, fine flavor; not as delicate as the dwarf varieties. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 75c., postpaid.

Golden Heart—This differs from the half dwarf white kinds only in color; when blanched the heart, which is large and full, is of a waxy, golden color; the most favorite sort for general cultivation. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c. postpaid.

Celery.

CULTURE.—Sow seeds in a hot bed or in a cold frame. As soon as the plants are three inches high, transplant to a nicely prepared bed in the border, setting them four or five inches apart. When eight inches high, and fine stocky plants, set them in the trenches. Earth up a little during the summer, keeping the leaf stalks near together, so that the soil cannot get between them. Finish earthing up in autumn, and never hoe or earth up in moist weather, nor when the plants are moistened with dew.

To preserve Celery for winter, dig trenches a foot in width and as deep as the top of the plants. Stand the Celery in these, erect, as they grew, with what dirt adheres to the roots, packing closely, but not crowding.



BOSTON MARKET.

Cress.

Should be sown thickly in drills half an inch deep, sow at frequent intervals to keep up a succession, as it soon runs to seed.

Curled—Very fine for salad, will bear cutting several times. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c., postpaid.

Water—This is an entirely different variety from the last, and thrives best in shallow water on the edges of streams, where it increases, both by spreading of the roots and by seeding. It has a pleasant, pungent taste, agreeable to most people. Pkt. 10c., oz. 50c., $\frac{1}{4}$ lb. \$1.50, postpaid.

Collards.

One ounce of seed to 100 yards of row.

True George—Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25 postpaid.



Golden Self-Blanching—Similar to the White Plume in its self-blanching characteristics, but of a deep, golden yellow color; is an excellent keeper, and in some localities is preferred to the White Plume. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. \$1.50.



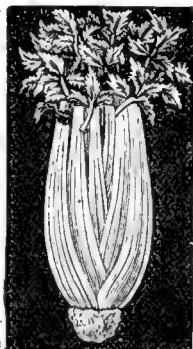
CELERIAC.

New Rose—The finest flavored of all celerics, either white or red; it cannot be surpassed, and we would recommend it to all our customers who desire a perfect flavored celery. Per pkt. 10c., oz. 50c., $\frac{1}{4}$ lb. \$1.25.

CELERIAC OR TURNIP-ROOTED.

Apple—Has small foliage and globular roots; fair size. Pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 75c., postpaid.

Large Erfurt—The root, which is turnip-shaped, is cooked or sliced and used with vinegar; more hardy than celery. Per pkt 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., postpaid.



GOLDEN HEART.

Cucumbers.

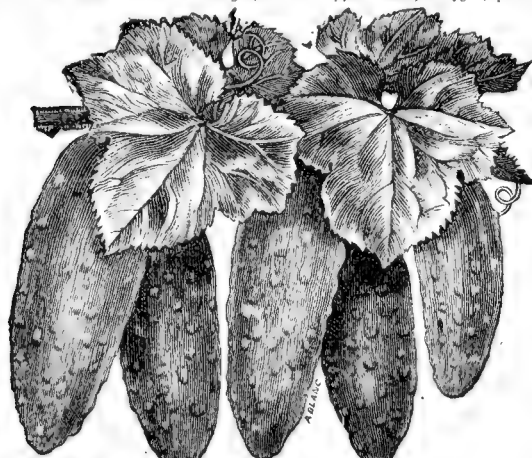
CULTURE.—In this latitude it is useless to plant in the open ground until nearly the first of June. Make rich hills of well-rotted manure, two feet in diameter, and plant a dozen or more seeds, covering half an inch deep. When all danger from insects is over, pull all but three or four of the strongest plants. The middle of June is early enough to plant for pickling. Make the hills about six feet apart. For early cucumbers the hot-bed is necessary, but the simplest and surest way to produce a tolerably early crop of the best kind is, where it is designed to place a hill, dig a hole about eighteen inches deep and three feet across; into this put a barrow of fresh manure, and cover with a small, box-like frame, on the top of which place a couple of lights of glass. When the plants grow keep the earth drawn up to the stems. Water and give air.



EARLY RUSSIAN.

Early Cluster—Fruit short, producing the bulk of the fruit near the root and in clusters. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 75c., postpaid.

Early Frame, or Short Green—Plants very vigorous and productive; fruit straight, smaller at each end; crisp, tender flesh; excellent for pickles. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 75c., postpaid.



NICHOL'S MEDIUM GREEN.

Early Russian—Fruit small and generally produced in pairs. Flesh tender, crisp and of good flavor. Its hardness, extreme earliness

and productiveness render it a favorite for early market. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00 postpaid.

Nichol's Medium Green—This new variety, grown extensively throughout the entire states, has done admirably. It is very prolific, exceedingly crisp, of dark color, and valuable alike for pickling, market and table purposes; it will give great satisfaction wherever used. Pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 30c., lb. \$1.00, postpaid,



LONG GREEN.

Green's Prolific—Used extensively for pickling by families and those who plant largely for pickling purposes; very uniform in growth, seldom exceeding suitable size for pickling; very productive. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 75c., postpaid.

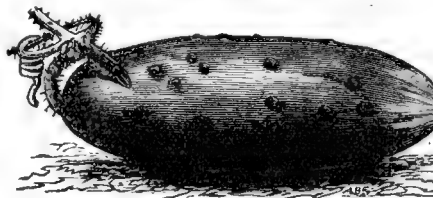


WHITE SPINE EXTRA LONG.

Improved Long Green—Fruit dark green, firm and crisp; unequalled by any other variety; good variety for pickling and market. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00, postpaid.

Long Green Turkey—Fruit very long and slim, desirable for Pickles. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00, postpaid.

Tailby's Hybrid—Good variety; in size it is larger than the White Spine, often growing to the length of twelve inches; heavy crop. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb., \$1.00, postpaid.



WHITE SPINE IMPROVED.

White Spine, Extra Long—Similar to Early White Spine variety, but much longer and some later. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 80c., postpaid.

White Spine Improved—This, a favorite market variety, belongs to the short-growing section, producing fruit of medium size, from six to eight inches in length, and two to three inches in diameter. It is a handsome fruit, deep green; flesh crisp and fine flavor, and is the main early variety planted in the South for market purposes. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c. lb. 80c. postpaid.

Cherkins—Small, oval-shaped, prickly variety; grown exclusively for pickles; should be pickled when young and tender. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00, postpaid.

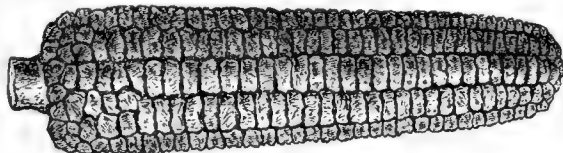
Jersey Pickling—This valuable variety stands among the first as a pickling sort, and is exceedingly productive. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00, postpaid.

NORTHERN GROWN SEEDS & PLANTS.

CORN.

CULTURE.—Plant in hills three feet apart each way, and five or six kernels in a hill. Hoe often, and draw soil up to the stems. Break off side shoots. Make the ground rich with well rotted manure. Sown in drills, a greater yield from a given surface will be obtained.

Early Cory—A very early variety with good sized ears, and large grains. Pkt. 5c., pt. 20c., qt. 30c., postpaid. By express, qt. 30c., pk. \$1.35, bush. \$3.50.



EARLY CORY.

Marblehead—One of the earliest; dwarf and short thick ears. Pkt. 5c., pt. 20c., qt. 30c., postpaid. By express, qt. 20c., pk. \$1, bush. \$3.



MINNESOTA.

paid. By express, qt. 20c., pk. \$1, bush. \$3.

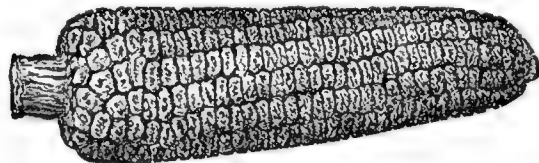
Adams—This variety is the earliest, with the exception of the Cory, and although not a sweet corn, is extensively used for the table. It is very hardy.



ADAMS.

Pkt. 5c., pt. 15c., qt. 30c., postpaid. By express, qt. 20c., pk. \$1, bush. \$3.

Crosby's—Early, and a great favorite in the large cities. It forms rather small ears, but productive and of excellent quality. Pkt. 5c., pt. 20c., qt. 30c. postpaid. By express, qt. 20c., pk. \$1, bush. \$3.



CROSBY.

Perry's Hybrid—Very Early and of large size; most valuable for market. Pkt. 5c., pt. 20c., qt. 30c. postpaid. By express, qt. 20c., pk. \$1., bush. \$3.



PERRY'S HYBRID.

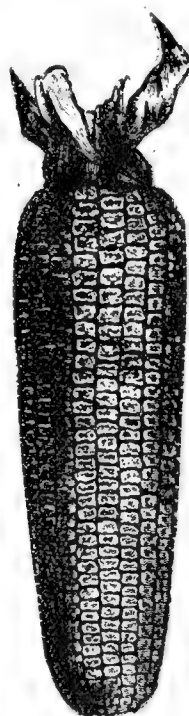
Ballard, or Chicago Market—This variety, known throughout the West and Northwest as Chicago Market, is undoubtedly one of the best sorts lately introduced. It matures early, about the same time as the Cory, and is a splendid variety for market use. Pkt. 5c., pt. 20c., qt. 35c., postpaid. By express, qt. 25c., pk. \$1.25, bush. \$4.

Shaker's Early—The kernels are large, pearly white and of delicious flavor. It matures about the same time as the Minnesota, but the ears are much larger. Pkt. 5c., pt. 20c., qt. 30c. postpaid. By express, qt. 20c., pk. \$1.25, bush. \$4.

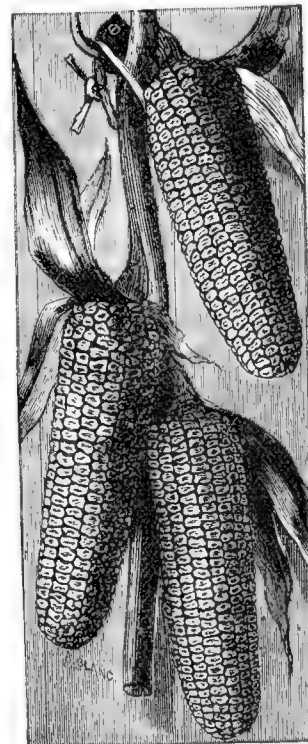
Moore's Concord—This is one of the best varieties in cultivation. Matures early, ears large and of superior quality and flavor to most of the other kinds. Pkt. 5c., pt. 20c., qt. 30c., postpaid. By express, qt. 20c., pk. \$1, bush. \$3.50.

Mammoth Sweet—This early variety produces the largest ears of any sweet corn. One ear has been known to weigh three lbs. Sweet, tender, and delicious, one of the most valuable sorts. Pkt. 5c., pt. 20c., qt. 30c., postpaid. By express, qt. 20c., pk. 75c. bush. \$2.50.

Hickox—Handsome ears, white, and rich flavor. An early variety of great merit. Pkt. 5c., pt. 20c., qt. 30c., postpaid. By express, qt. 20c., pk. \$1.00, bu. \$3.50.



SHAKER'S EARLY.



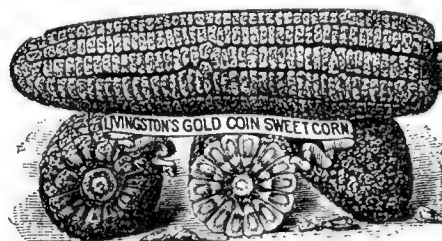
HICKOX.

Potter's Excelsior—Good size, very sweet, tender and sugary. Pkt. 5c., pt. 20c., qt. 30c., postpaid. By express, qt. 20c., pk. \$1, bu. \$3.



STOWELL'S EVERGREEN.

sort. Pkt. 5c., pt. 20c., qt. 30c., postpaid. By express, pk. \$1.25, bu. \$4.00.



Livingston's Gold Coin—Early, very productive, and of splendid appearance. Ears of good size, sweet, and of delicious flavor. Pkt. 10c., pt. 25c., qt. 45c., postpaid. By express, qt. 30c., pk. \$2.00, bu. \$7.00.



Egyptian—Large sized ear, flavor rich and sweet. Matures a little later than the Stowell's Evergreen. Pkt. 5c., pt. 20c., qt. 30c., postpaid. By express, qt. 20c., pk. \$1.00, bu. \$3.50.



EGYPTIAN.

Corn Salad.

CULTURE.—A vegetable used as a salad. It is sown on the first opening of spring in rows one foot apart, and is fit for use in six or eight weeks from time of sowing. If wanted for use early in the spring, it is sown in September, covered up with straw or hay as soon as cold weather sets in, and is wintered over exactly as Spinach.

Large Seeded—Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 75c.

Small Seeded—Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 75c.

Chicory.

Four ounces of seed to 100 yards of row.

Large-Rooted Magdeburg—Roots of this form the Chicory of commerce. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 70c., postpaid.

Witloof—Excellent as a salad as well as a vegetable. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00 post paid.

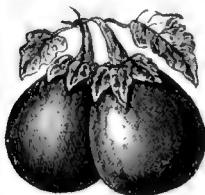
Dandelion.

Used for greens and considered very wholesome. It is also blanched and used as a salad. The roots, when dried and roasted are often used as a substitute for coffee. Seeds may be sown in May or June, in drills half an inch deep and ten inches apart. Thin out the young plants to about three inches apart, cultivate during the season and the plants will be ready for use the following spring.

American Improved—The standard sort. Pkt. 10c., oz. 60c., $\frac{1}{4}$ lb. \$2.00, postpaid.

French, Thick Leaved—The best for general use. Pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. \$1.25, postpaid.

Egg Plant.

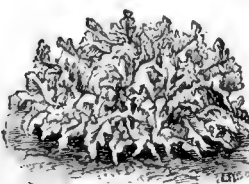


CULTURE.—The Egg Plant will thrive well in any good garden soil; succeeds best in a deep, warm, rich soil, and full exposure to the sun. Sow in hot bed very early in the spring; transplant two and one-half feet apart each way, after weather becomes settled and warm. If no hot bed is at hand, plants may be started in pots or boxes.

Black Pekin—The fruit of this variety is jet black, fine grain and delicate flavor; very prolific and desirable for market gardeners. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.50, lb. \$4.50, postpaid.

Early Long Purple—Much smaller than the New York Improved; very early and productive; fruit long, dark, rich purple; good quality. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50, postpaid.

New York Improved—The best in cultivation; large, round, dark purple, and very productive. Is the main sort used for both market and family use, and in the south. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50, postpaid.



Endive.

CULTURE.—Sow in June, July and August; cover lightly. When up, thin out to eight inches apart, and give a good watering afterward, if dry. When the leaves are six or eight inches long, blanch, by gathering in the hand and tying together near the top with yarn or bast. This must be done when quite dry, or they will rot. At the approach

of winter take up carefully with a ball of earth to each plant, and place close together in frame or cellar for use. They must be kept dry and have plenty of air or they will rot.

Broad Leaved Batavian—Almost exclusively used in soups; leaves broad, thick, plain, or slightly wrinkled; more productive than the other varieties. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.50, postpaid.

Green Curled—Very hardy, with curled, dark green leaves; tender and crisp. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.40, postpaid.

French Curled Moss—Handsomely curled; fine quality; a desirable sort. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 70c., lb. \$2.25, postpaid.

White Curled—Most desirable; resembles the green curled, except in color; should be used when young; tinted white. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.50, postpaid.

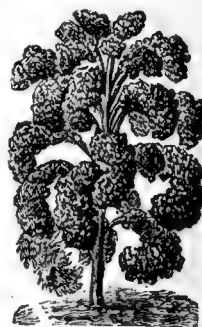
Kale.

CULTURE.—The Kales are more hardy than cabbage, make excellent greens for winter and spring use, and are improved by frost. Sow from May to June in well prepared soil, covering it thinly and evenly, and cultivate the same as cabbage. Half an ounce will sow a bed of twenty square feet.

Dwarf German Greens—Very hardy; prolific, and the main sort planted in the South and by market gardeners; should be sown in autumn for sprouts or greens. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. \$1.00, postpaid.

Tall Scotch—Foliage a deep purplish red color, finely fringed and deeply curled.

Very fine variety. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. \$1.00, postpaid.



Kohl Rabi.



CULTURE.—This is an excellent vegetable, and should be grown in every garden. Sow in spring in rows eighteen inches apart, afterward thinning the plants to eight or ten inches. If the weather is suitable, the thinnings may be planted, but it is considered difficult to transplant. Keep the weeds down, and when the thickened stem above ground is two or three inches through, they are fit to eat, and should be used at once, being tough when old. They are cooked the same as turnips.

Early White Vienna—Best early variety for table; bulbs white. Handsome, small; highly esteemed by market gardeners. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50, postpaid.

Early Purple—Very similar to the last, except in color, which is a bright purple; a desirable sort. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

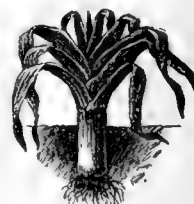
Leek.

CULTURE.—The Leek is very hardy and easily cultivated. It succeeds best in a light, but well enriched soil. Sow as early in spring as practicable, in drills one inch deep and one foot apart. When six or eight inches high, they may be transplanted in rows ten inches apart each way as deep as possible, that the neck being covered, may be blanched. If fine leeks are desired, the ground can hardly be made too rich.

American Broad Flag—This variety is more largely used in this country than any other; plant strong, with broad leaves, growing only on two sides. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.50, postpaid.

Large Carentan—A most excellent hardy variety; we recommend it as being of very superior quality. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50, postpaid.

Musselburgh—Stem shorter than the preceding varieties; large bulbs; leaves broad and very mild, spreading like a fan. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00, postpaid.



NORTHERN GROWN SEEDS & PLANTS.

Lettuce.

CULTURE—A very rich soil is necessary to produce fine head lettuce. Its crisp and tender quality depends very much on a luxuriant and vigorous growth. The earliest sowing may be made in March, under glass with slight heat. For later supply sow in the open ground as soon as the season will permit, in rows one foot apart, and thin out plants one foot apart in rows. If sown every two or three weeks to middle of August, it may be had in profusion the entire season.

May's Market Gardener's Private Stock—See Specialties for description. Per pkt. 10c. oz. 50c., lb. \$5.00, postpaid.



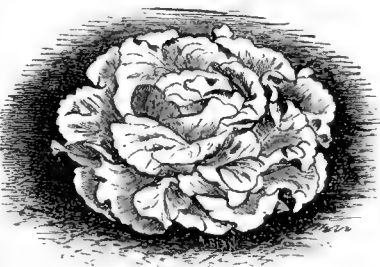
EARLY CURLED SIMPSON.

Buttercup—This new Cabbage Lettuce, in addition to tenderness and delicacy of flavor, is remarkable for beauty of foliage. It forms very solid heads, is quite early and durable, and its peculiar citron yellow leaves mark it as distinct from all other varieties. It is well adapted for forcing, and for a summer or winter lettuce. Per pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50, postpaid.

Early Curled Simpson—An improvement on the old Curled Silesia. Very early; fine for forcing. Per pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25, postpaid.

Hubbard's—A large white Cabbage variety, equally valuable for forcing or out of doors. Per pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50, postpaid.

Black Seeded Simpson—The leaves of this variety are very large, and form a compact mass rather than a distinct head. They are thin, very tender



HUBBARD'S.

of superior quality and of a very light green color; exceedingly popular among market gardeners. Per pkt. 5c. oz. 20c. ¼ lb. 50c., lb. \$1.25, postpaid.

White Seeded Tennis Ball—A favorite forcing variety. Well formed heads; hardy and crisp; of excellent quality. One of the earliest of the heading varieties. Per pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25, postpaid.



WHITE SEEDED TENNIS BALL.

Prize Head—Forms a mammoth plant, in which even the outer leaves are crisp and tender, and remain so throughout the season. It is slow to run up to seed; of superb flavor and very hardy; one of the best varieties for family use, but is unsuited for market gardeners, as it is too tender to stand much handling. Pkt. 5c., oz. 15c., ¼ lb. 40c. lb. \$1.25, postpaid.



PRIZE HEAD.

Oak Leaf—A splendid variety, both in quality and appearance; leaves light green, oak-shaped and slightly curled, set close, having no coarse stems; fine flavor and exceedingly tender. Pkt. 10c., oz. 30c., ¼ lb. \$1.00, postpaid.



LARGE YELLOW BUTTER.

Salamander—One of the best summer varieties, forming good sized compact heads; color light green on the outside and white on the inside. Pkt. 5c., oz. 15c., ¼ lb. 35c., lb. \$1.10, postpaid.

The Deacon—An excellent variety both for early spring and summer use; heads large, very solid. Pkt. 5c., oz. 25c., ¼ lb. 50c., lb. \$1.50, postpaid.

Hanson—One of the finest; heads very large, solid, tender, crisp and of excellent flavor; stands the sun and drought better than most varieties. Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.00, postpaid.

Paris White Cos—One of the best of the Cos varieties. The outer color of this sort is yellowish green. The head is of a conical shape, eight or nine inches in height and about six inches in diameter. It should be tied up to blanch a week or ten days before cutting. Pkt. 5c., oz. 20c., ¼ lb. 40c., lb. \$1.50, postpaid.

Martynia.

Sow in May, in the open ground, three feet apart in each direction, where the plants are to remain. The young pods are excellent for pickles.

Proboscidea—Pkt. 10c., oz. 30c., ¼ lb. \$1.00, lb. \$3.00, postpaid.

Mushroom Spawn.

English—For brick of one pound, each, 30c., postpaid.
French—Per lb. 45c., postpaid.

Musk Melon.

CULTURE—Select a light, sandy, rich soil, and after all danger of frost is over and the ground has become warm and dry, plant in hills four to six feet apart each way, six to twelve seeds to the hill. When up and all danger of insects is past, pull out all but three plants. Cultivate until the vines cover the ground, and pinch the ends of the growing shoots to induce early fruiting. Ashes, lime or even dry road dust is excellent to sift over the young plants, when the dew is on to prevent the attack of insects. A few hills for early may be had by sowing in hot-bed on pieces of sod or in pots. The seeds may also be started out of doors, under hand frames or glasses.

Osage or Miller's Cream—See Novelties for description. Pkt. 10c., oz. 25c., ¼ lb., 75c., lb. \$2.50, postpaid.

Emerald Gem—See Novelties for description. Pkt. 10c., oz. 25c., ¼ lb. \$1.00, postpaid.

Bay View—Very desirable on account of its shipping qualities; prolific, early, green flesh, large size. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.00, postpaid.

Casaba—Fruit oblong, thin skin; good for home use; not desirable for shipping. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.00, postpaid.

Extra Early Hackensack—A variety possessing all the good qualities of the large Hackensack, and fully two weeks earlier. Pkt. 5c., oz. 15c., ¼ lb. 30c., lb. \$1.00, postpaid.

Netted Gem—A very early, most delicious small melon; in form globular; flesh lightish green; very desirable. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.00, postpaid.

Green Citron Nutmeg—A very desirable melon either for the table or market; very juicy, honey flavor, thick green flesh; a standard sort. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.00, postpaid.



NETTED GEM.



JENNY LIND.

Improved Christiana—Outer color dark green. When ripe, the melon always separates from the stem. The flesh is a dark, rich yellow, of the best quality and thick. It is becoming a general favorite. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00, postpaid.

Jenny Lind—Small, round, extra early, fine netted, of good flavor, the earliest Melon grown. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00, postpaid.

Large Hackensack—Very popular with market gardeners in the vicinity of the large cities, being of a very large size; very prolific; rich in flavor; thick, juicy flesh, and always commands a ready sale, growing more popular each season. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00, postpaid.

Montreal Nutmeg—Fruit of the largest size, often attaining a weight of fifteen to twenty pounds; shape, nearly round, flattened at the ends, deeply ribbed; flesh remarkably thick, green, melting, and of the finest flavor. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00, postpaid.



MONTREAL NUTMEG.



SURPRISE.

The Surprise—Very early, medium size; salmon-colored flesh of superior flavor. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00, postpaid.

White Japan—Medium size; flesh thick, skin pale green; one of the earliest; worthy of a place in every family garden. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00, postpaid.

Princess—See Novelties for description. Per pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 75c., lb. \$2.50, postpaid.

Acme—A splendid sort, grows to an enormous size, fine flavor and one of the best for shipping purposes. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00, postpaid.



Water Melons. WHITE JAPAN.

CULTURE—Treat the same as Musk Melons, except that they should be planted eight to ten feet apart, according to variety.

Black Spanish—Medium size, round, black seeded, red flesh, thin rind, vines small; will admit of closer planting than other varieties; fine melon, of the best quality. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

Colorado Preserving Melon—Distinct from the standard Citron for preserves; grows to a very large size, often 30 to 40 lbs.; flesh very firm and solid, with a small proportion of seeds. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50, postpaid.



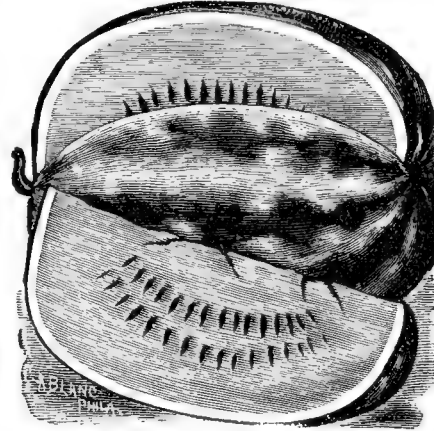
CUBAN QUEEN.

Cuban Queen—Beautifully marked, light and dark green; solid, crisp, bright red flesh; a good shipper; grows to an immense size. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

Dark Icing, or Ice Rind—Round, solid, thin, rind, very delicious in flavor; not desirable for shipping, owing to its thinness of rind. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

Georgia Rattlesnake or Cypsy—Standard Southern variety, possessing remarkable shipping qualities; oblong, scarlet flesh, crisp, and juicy. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

Green and Gold—See Specialties for description. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50, postpaid.



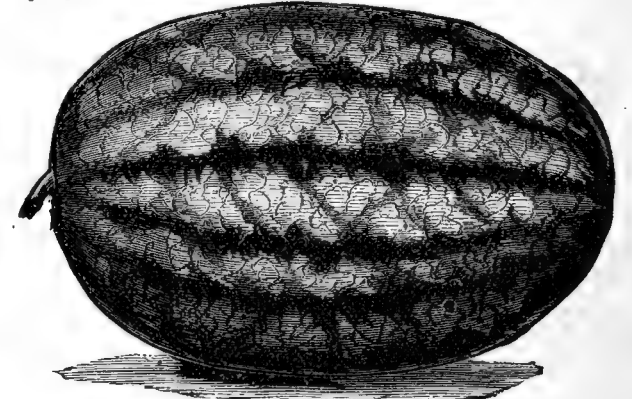
KOLB'S GEM.

Kolb's Gem—One of the most reliable and largest of melons. On account of its enormous size, its extreme hardness in shipping, and its fine eating qualities, it has come to be the leading Melon of the day. Flesh, bright crimson, solid, sweet, and luscious, and increasing in popularity every year. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

Light Icing—A very excellent Melon

for general purposes; fine quality, equaling that of the White Seed Ice Cream; very desirable for home use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

Christmas New—The originator claims for the Melon, that it is a good shipper; very productive; early and of good flavor; qualities that entitle it to a trial. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50, postpaid.



MANMOTH IRON CLAD.

Mammoth Iron Clad—This is a variety that all large growers of melons for shipping should give a trial; grows to mammoth size, and possesses all the good qualities of shipping and eating; skin striped, long; very solid to the core, crisp, and juicy; often attaining the weight of 60 pounds and upwards. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

Phinney's Early—The earliest of all varieties; medium size; oval, quick growing variety; thin rind; red flesh; very hardy and productive. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

Pride of Georgia—New; dark green in color, oval in shape, and ridged like an orange, crisp and sweet. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

Vick's Early—Long, smooth, rather small, flesh bright pink, solid, smooth, and the earliest melon we are acquainted with. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00, postpaid.

Mountain Sweet—A large, long melon, flesh red, firm and sweet, solid to the centre; a well known standard variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.



PHINNEY'S EARLY.

NORTHERN GROWN SEEDS & PLANTS.

Mountain Sprout—Oval, large growing, bright scarlet, crisp; good keeper; later than the Mountain Sweet. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.



The Boss—An acquisition to the melon family; of good size; deep green color; oblong, solid; quite early; worthy of a place in every garden. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.



White Seed Ice Cream or Peerless—Nearly round, pale green, thin rind, scarlet flesh; delicious in flavor; old standard variety, and cannot be too highly recommended. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

Seminole—See Specialties for description. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 60c., lb. \$2.00, postpaid.

Citron for Preserves—Red seed, the standard old variety for preserves. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00, postpaid.

Mustard.

Sow in April thickly, in rows, and cut when two inches high. For use in winter it may be sown in boxes, greenhouses, or frames.

Black or Brown—More pungent than the white. Pkt. 5c., oz. 10c., lb. 40c., postpaid.

White or Yellow—Desirable for salads and flavoring. Pkt. 5c., oz. 10c., lb. 40c., postpaid.

Nasturtium.

Cultivated for both use and ornament. The seed pods resemble Capers, and are gathered while green and tender for pickling. Sow early in the spring in drills about one inch deep in light rich soil, when all danger of frost is over. Train the tall over trellises or brush and the dwarf in beds.

Tall Orange—The most profitable pickling variety. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50, postpaid.

Dwarf—Beautiful colors mixed. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50, postpaid.

Onions.

CULTURE.—Sow in rich, sandy soil, in drills one foot apart, as soon as the ground can be worked in spring. Thin to three or four inches, using the rake, and hoe frequently to keep down the weeds.

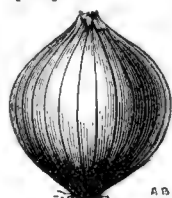
Extra Early Red—Very early and productive, mild flavor, medium size; color a deep red. This variety is particularly adapted for the Northwest, as it will form full-sized bulbs in cold soil, where all other sorts fail. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50, postpaid.



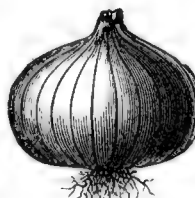
EXTRA EARLY RED.

Yellow Globe Danvers—Probably the most popular and most extensively cultivated variety in existence. The earliest, largest and best keeper of the Danver Onions. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 65c., lb. \$2.00, postpaid.

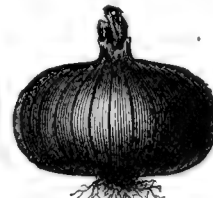
Yellow Flat Danvers—This variety differs from the Globe strain in shape only, being more flat. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00, postpaid.



LARGE WHITE GLOBE.



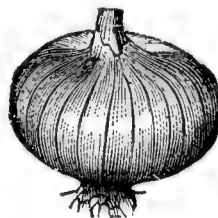
YELLOW GLOBE DANVERS.



LARGE RED WETHERSFIELD.

Large Red Wethersfield—A favorite sort for general crop. A large yielder and a good keeper. General cropper; globular variety. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 70c., lb. \$2.25, postpaid.

Large White Portugal—One of the leading sorts of white flat onions. A most excellent keeper and a good yielder. Largely grown for pickling. Pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50, postpaid.



LARGE WHITE PORTUGAL.

Large White Globe—A large white onion, as large as Yellow Danvers. Pkt. 5c., oz. 40c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50, postpaid.

Red Globe—This variety ripens about ten days earlier than the large Wethersfield, and is rather smaller in size, but close-grained and heavy. Pkt. 5c., oz. 30c., $\frac{1}{4}$ lb., \$1.00, lb. \$3.00, postpaid.

Yellow Strasburg—Color brownish yellow. Later, flatter and larger than yellow Danvers. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00, postpaid.



EL PASO.

Italian Varieties—We are large importers of the Italian Onion Seed. They are very popular, owing to their rapid growth, large size and mild flavor, and can be grown in any section of the country with perfect success.

El Paso—Large size, fine white skin and excellent quality. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50, postpaid.



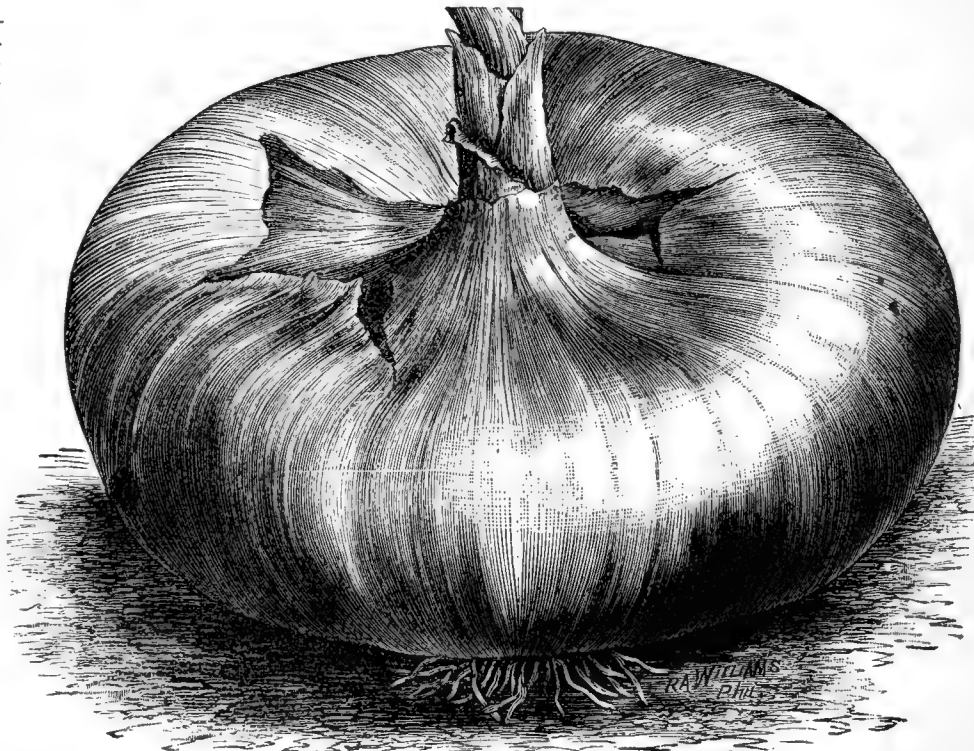
Mammoth Silver King—

This variety has been extensively cultivated in the West and Northwest for the past five years, and has given perfect satisfaction. The skin is a silvery white and the flesh pure white; very thick through, and of a particularly mild and pleasant flavor. It cannot be too highly recommended for family or market use. Single bulbs of this variety have been grown to weigh four pounds. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00 postpaid.

Paris Pickling—A good pickling variety of fine form and flavor, tender and very productive. One of the best yet introduced. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 65c., lb. \$2.00, postpaid.

The White Queen—This variety is particularly valuable on account of its rapid growth. Matures earliest of all the Onions. Is of fine flavor, and an excellent sort for pickling or table use. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 85c., lb. \$3.00, postpaid.

White Tripoli—One of the most popular sorts. Of mild flavor and rapid growth. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 75c., lb. \$2.25,



MAMMOTH SILVER KING.

Yellow Bottom Sets—Qt. 25c., pk. \$1.25, bush. \$4.25.

Red Bottom Sets—Qt. 20c., pk. 1.25.

Potato Onions—Qt. 20c., pk. \$1.25, bush. \$4.50.

Red Top Sets—Qt. 20c., pk. \$1.25.

Yellow Top Sets—Qt. 25c., pk. \$1.50.

Shallots—Small onion, grows in clumps. Qt. 20c., pk. \$1.25.

Write for Lowest Market Rates on Larger Lots.

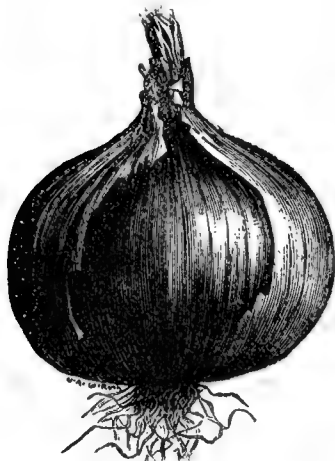
Giant Rocca—A magnificent variety and the largest grown. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 75c., lb. \$2.25, postpaid.

Red Tripoli—Succeeds well in any section; mild flavor; good keeping qualities, and is universally liked. Round-flat in shape. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 75c., lb. \$2.25, postpaid.

Extra Early Barletta—See Specialties for description. Price, pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00, postpaid.

ONION SETS.

CULTURE.—Sets furnish large onions early, as well as the first green onions for table use. Plant the sets as early in the spring as possible, in shallow drills one foot apart, and four inches between sets. Cover slightly.



GIANT ROCCA.

They can be used in a green state in June, and are ripened off by July. To grow sets, sow the seed early in spring very thickly in beds or drills. When the tops are down, gather the little bulbs, dry and store. Potato onions are grown only from bulbs, and should be planted in April. Select large bulbs, and set them ten inches apart, their crowns just below the surface. One quart of sets is needed for 100 feet of drill.

White Bottom Sets—Very fine. Qt. 25c., pk. \$1.75, bush. \$6.00.



Okra.

CULTURE.—The seeds are sown thinly in dry, warm soil, in shallow drills two feet apart. Thin out to eighteen inches; hoe frequently, drawing a little earth to the stems as they continue to grow. Gather the pods when quite green, an inch to a half long, and use in soups, and serve as asparagus.

Long Green—Long slender pods, light colored. Keep edible a long time, and are very tender.

Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

Dwarf Green—A very desirable sort, as it is very productive and free from hard ridges. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

Parsley.

CULTURE.—A rich and tolerably deep soil is best for this crop. Soak the seeds a few hours in tepid water, and sow early in the spring, in drills a foot apart. Thin out the plants to three or four inches apart; a single row forms a very good edging for beds or walks. The seed germinates very slowly, and sometimes two or three weeks will elapse before the plants make their appearance. It often fails entirely in dry weather. To have Parsley green during winter, remove some plants into a light cellar, and treat them as in open culture in autumn.

NORTHERN GROWN SEEDS & PLANTS.



PARSLEY.

This beautiful little plant is a desideratum with all good cooks, for flavoring soups, stews, gravies, etc., and is very pretty for garnishing dishes. It also makes handsome edging to walks of vegetable gardens, with its delicately curled and dense growing leaves.

Champion Moss Curled—A very select stock, leaves are beautifully curled and crimped. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00, postpaid.

Hamburg—A fleshy rooted sort, roots are used for flavoring soups. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00, postpaid.

Plain Parsley—Hardier, and the leaves are longer and of a darker green than the Curled; better flavored for seasoning. Valuable for feeding sheep. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c., postpaid.

Extra Curled—Dwarf and tender, leaves beautifully crimped and curled, very fine for garnishing. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1, postpaid.

Parsnips.



CULTURE.—Sow as early in the spring as the ground can be worked, in rich soil in drills eighteen inches apart. Thin to six or eight inches in the rows. Hoe and cultivate often to keep down the weeds.

Large White Sugar—A splendid sort, excellent flavor, tender and sugary. One of the best varieties. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

Student—A half long variety of fine flavor. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

Hollow Crown—Roots oblong, ending somewhat abruptly, with a small tap root; grows mostly below the surface; has a very smooth, clean skin, and is easily distinguished by the leaves arising from a

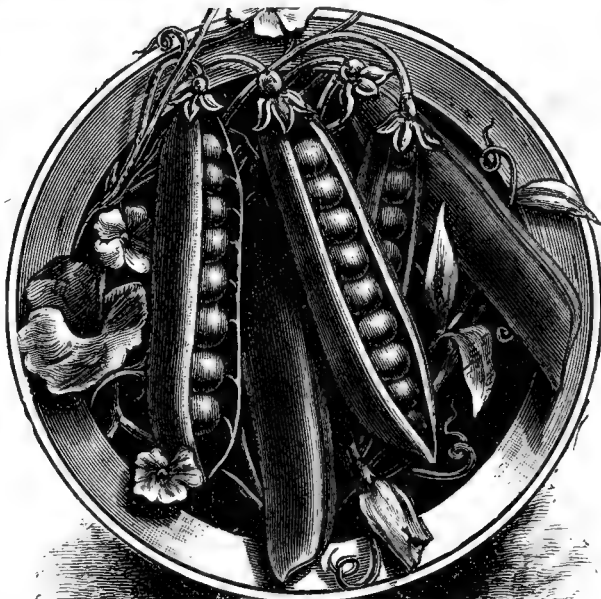
cavity on the top or crown of the root. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 65c., postpaid.

New Maltese—Long, smooth, and white, fine flavor. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 65c., postpaid.

Peas.

CULTURE.—A week may be gained in earliness by sowing a quantity in moist sand placed in a box in the cellar, and planting outside when well sprouted. Light dry soil, not over rich, suits the Pea. Sow as early as the ground can be worked, and again every two weeks for succession up to the first of June, after which there is danger from mildew. Sow in single or double rows from four to six feet apart, according to the different heights, about an inch apart in the row and four inches deep. In summer sow six or eight inches deep. In this climate the O'Rourke Peas if planted from the 15th of July to the 1st of August will produce a fair crop for fall picking, when Peas will be most acceptable. Hoe often. The fall sorts can be made to bear more freely by pinching in. The dwarf varieties may be grown in beds like bush beans, with rows about the same distance apart.

Alaska—This is one of the earliest peas grown, being a few days earlier than the Rural New Yorker. Seed round, green, resembling



EXTRA EARLY.

the Kentish Invicta; pods fine shape, dark green color, and well filled. One of the most desirable of the early varieties for market gardeners. Height two feet. Pkt. 5c., pt. 25c., qt. 40c., postpaid. By express, qt. 30c., pk. \$1.75, bu. \$6.00.



FIRST AND BEST.

Rural New Yorker—Very early; prolific and uniform in ripening. Pkt. 5c., pt. 20c., qt. 40c., postpaid. By express, qt. 25c., pk. \$1.50, bush. \$5.00.

First and Best—This is a very fine variety for market gardener's use; early, and ripens with such uniformity that they may be picked clean with two pickings. Height $2\frac{1}{2}$ ft. Pkt. 5c., pt. 20c., qt. 40c., postpaid. By express, qt. 25c., pk. \$1.25, bush. \$4.50.

Kentish Invicta—Blue seed, very prolific and a most desirable sort for table use. Height, 4 feet. Pkt. 5c., pt. 20c., qt. 40c., postpaid. By express, qt. 25c., pk. \$1.50, bush. \$4.50.

Blue Peter—Matures early, very rich, sweet and tender. A blue seeded Tom Thumb. Height, $1\frac{1}{2}$ feet. Pkt. 5c., pt. 20c., qt. 40c., postpaid. By express, qt. 30c., pk. \$1.75, bush. \$6.00.

Philadelphia Extra Early—Very fine variety. Matures a little later than the First and Best. Height, $2\frac{1}{2}$ feet. Pkt. 5c., pt. 20c., qt. 40c., postpaid. By express, qt. 25c., pk. \$1.00, bush. \$3.50.



PHILADELPHIA EXTRA EARLY.



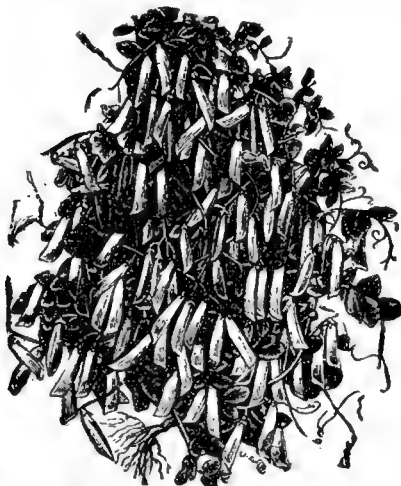
Improved Daniel O'Rourke.—This is a great improvement on the old Dan'l O'Rourke. One of the best of the extra early varieties and is largely used for market purposes. Height, 2½ feet. Pkt. 5c., pt. 20c., qt. 40c., postpaid. By express, qt. 25c., pk. \$1.50, bush. \$4.50.



AMERICAN WONDER.

American Wonder.—The earliest wrinkled pea in cultivation. Of dwarf and robust habit, growing from 9 to 12 inches high, and producing a profusion of good sized and well filled pods, of the finest flavor. Peas planted in June, mature in thirty-three days. Pkt. 5c., pt. 25c., qt. 50c., postpaid. By express, qt. 35c., pk. \$2.00, bush. \$6.50.

McLean's Little Gem.—One of the most productive of the dwarf wrinkled marrows grown, and although very early, it has all the sugary flavor of the late wrinkled varieties. Height, 1 foot. Pkt. 5c., pt. 25c., qt. 45c. By express, qt. 30c., pk. \$1.50, bush. \$5.00.



HORSFORD'S MARKET GARDEN.

Premium Gem.—Very productive, good flavor and fine for family use. Height, 1 foot. Pkt. 5c., pt. 20c., qt. 30c., postpaid. By express, qt. 30c., pk. \$1.75; bush. \$6.00.

Tom Thumb.—A dwarf, early variety, of excellent quality; a b u n d a n t yielder. Height, 1 foot. Pkt. 5c., pt. 25c., qt. 45c., postpaid. By express, qt. 30c., pk. \$1.75.

Horsford's Market Garden.—A splendid wrinkled sort, on the style of the Advancer. Very productive, and pods are well filled with medium sized peas, of a

delicious flavor. Height, 2 feet. Pkt. 5c., pt. 25c., qt. 45c., postpaid. By express, qt. 30c., pk. \$2.00, bush. \$7.00.

SECOND EARLY.

McLean's Advancer.—A second early variety, and now a great favorite with growers in this neighborhood, among whom it is often known as the Early Champion. It is a green wrinkled variety of fine flavor. Pkt. 5c., pt. 20c., qt. 40c., postpd. By ex., qt. 25c., pk. \$1.50, bu. \$5.00.



MC LEAN'S ADVANCER.

Bliss's Abundance.—An enormous bearer, and has the appearance of a bush, as it branches directly from the root. Grows to a height of 18 inches. Pods about three inches long and well filled. Pkt. 5c., pt. 25c., qt. 45c., postpaid. By express, qt. 35c., pk. \$1.75, bu. \$6.00.

FOR GENERAL CROP.

Champion of England.—This is yet by general consent acknowledged to be the best of the late varieties. It is a tall growing sort, attaining a height of five feet, and requires to be staked up. The pods and peas are of the largest size. Pkt. 5c., pt. 20c., qt. 40c., postpaid. By express, qt. 25c., pk. \$1.25, bu. \$4.00.

Yorkshire Hero.—Early green, wrinkled variety, good bearer and fine flavor. A stand-



TELEPHONE.

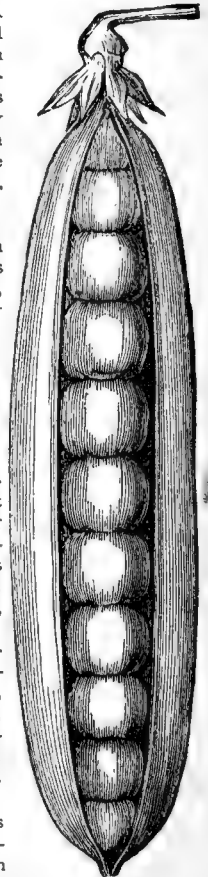
ard sort. Pkt. 5c., pt. 20c., qt. 40c., postpaid. By express, pt. 15c., qt. 25c., pk. \$1.50, bu. \$5.00.

Stratagem.—This variety, lately introduced from England, is one BLISS'S ABUNDANCE, of the best of the late Peas. It has been fully tested in this country and has given satisfaction in every respect. Grows to a height of about two feet. Is an immense bearer of peas of the finest quality. Pkt. 5c., pt. 30c., qt. 50c., postpaid. By express, qt. 40c., pk. \$2.50, bu. \$9.00.

Pride of the Market.—This is a new variety of robust, free branching habit. The peas have a most beautiful appearance and agreeable flavor. It bears pods from five to seven inches in length and well filled. We recommend it to all for private or market use. Height, two feet. Pkt. 5c., pt. 25c., qt. 45c., postpaid. By express, qt. 35c., pk. \$2.00, bu. \$7.50.

Telephone.—A new wrinkled variety; a good cropper, bearing immense pods, full of large peas of exquisite flavor. Pkt. 5c., pt. 25c., qt. 45c., postpaid. By express, qt. 35c., pk. \$2.25, bu. \$8.50.

Dwarf Gray Sugar.—Edible pods, similar to Tall Gray Sugar. Height of vine, 3 feet. Pkt. 5c., pt. 30c., qt. 50c., postpaid. By express, qt. 40c., pk. \$2.50, bu. \$8.00.



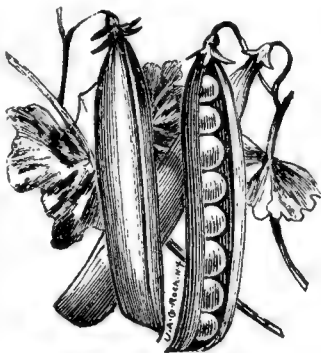
NORTHERN GROWN SEEDS & PLANTS.

Tall Gray Sugar—Edible pods and can be used like string beans; tender and sweet. Height, 5 feet. Pkt. 5c., pt. 30c., qt. 50c., postpaid. By express, qt. 40c., pk. \$2.50, bu. \$8.00.

Blue Imperial—An old variety, but a favorite with all market gardeners and one of the best late summer peas. Height, three feet. Pkt. 5c., pt. 20c., qt. 35c., postpaid. By express, qt. 25c., pk. \$1.25, bu. \$4.50.

Black-Eyed Marrowfat—Very hardy and prolific. Pkt. 5c., pt. 15c., qt. 30c., postpaid. By express, qt. 15c., pk. \$1.00, bu. \$3.00.

White Marrowfat—Cultivated more extensively, for a summer crop than any of the others. Pods large, round, light colored, and well filled; very productive. Pkt. 5c., pt. 15c., qt. 30c., postpaid. By express, qt. 15c., pk. \$1.00, bu. \$3.00.



PRIDE OF THE MARKET.

Pumpkins.

CULTURE—May be planted in the middle of spring among the Indian Corn, or in the field or garden, in hills eight or ten feet apart each way, four seeds in the hill; in other respects they are cultivated in the same manner as Melons and Cucumbers. Avoid planting them near other vines.

Cashaw—This is a great favorite in the Southern states. Skin white, striped and mottled with green. Flesh golden yellow, excellent flavor. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c., postpaid.

Connecticut Field—Very productive; largely grown for feeding stock. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 40c., postpaid.

Large Cheese—The best variety for cooking purposes; excellent flavor and thick yellow flesh. Pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 40c., postpaid.



CONNECTICUT FIELD.



LARGE CHEESE

Mammoth Tours—Very productive and of enormous size. Flesh thick and sugary; fine for table use. Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.00, postpaid.

Negro—Although an old kind, it is one of the best for "pumpkin pie" use. The skin is a very dark green, almost black; flesh a rich

orange color. A good keeper. Pkt. 5c., oz. 10c., ¼ lb. 35c., lb. \$1.00, postpaid.

Tennessee Sweet Potato—There is no pumpkin in cultivation that has given such good satisfaction in all sections as this variety. Although comparatively new it has become a universal favorite. When cooked it has the appearance of a Sweet Potato, but is of finer flavor, and for pies, etc., it has no equal. Flesh thick, creamy white and very fine grained. Hardy and productive. Pkt. 10c., oz. 20c., ¼ lb. 60c., lb. \$2.00, postpaid.

Mammoth Red

Etampes—A fine variety recently introduced from France, and one that has given the best of satisfaction; smooth surface and of a bright glossy red color. Meat thick and rich. Pkt. 5c., oz. 15c., ¼ lb. 30c., lb. \$1.10, postpaid.



MAMMOTH RED ETAMPES.

Sugar—Very prolific, fine grain and sweet. Good for table or feeding to stock. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c., postpaid.

Pepper.

CULTURE—Sow the seeds early under glass, or in the open ground during warm weather; transplant when three inches high.

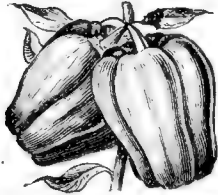
Small Chili—Bright red, the best variety for pepper sauce. Per pkt. 10c., oz. 30c., ¼ lb. \$1.00, lb. \$2.00, postpaid.



GOLDEN DAWN.

Golden Dawn—A new variety, resembling the Large Bell in shape, but more delicate in flavor, and the color is a rich golden yellow. Per pkt. 10c., oz. 30c., ¼ lb. \$1.00, lb. \$3.00, postpaid.

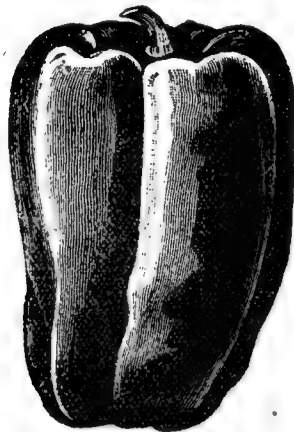
Long Red Cayenne—A long, slim pod, rather pointed, and when ripe, of a bright red color. Extremely strong and pungent; and is the sort used for commercial purposes. Pkt. 10c., oz. 30c., ¼ lb. \$1.00, lb. \$3.00, postpaid.



SWEET MOUNTAIN.

Sweet Mountain—An early variety of mild flavor, and a favorite sort, both for pickling and for use in the natural state. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb., \$1.00, lb. \$3.00 postpaid.

Large Bell or Bull Nose—Very large, glossy red; one of the best. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb., \$1.00, lb. \$3.00, postpaid.



RUBY KING.

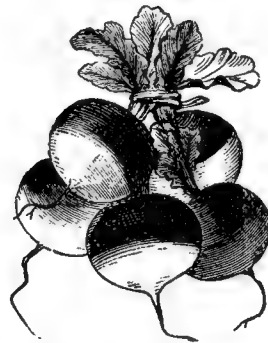


LONG RED CAYENNE.

Ruby King—An exceedingly handsome variety of enormous size, often measuring 6 inches in length and from 9 to 12 inches in circumference. Unlike other kinds, as the flavor is very mild and it can be sliced and eaten with salt and vinegar like tomatoes and cucumbers, it is also often used as a salad. Excellent keeper, and one of the best market varieties grown. Per pkt. 10c., oz. 30c., $\frac{1}{4}$ lb., \$1.00, lb. \$3.50, postpaid.

Golden Queen—See Specialties for description. Per pkt. 10c., oz. 30c., $\frac{1}{4}$ lb., \$1.25, lb. \$4.50, postpaid.

Red Cluster—As the name indicates, it grows in bunches at the end of each branch. The thin peppers are of a brilliant coral red color and very hot in flavor. Per pkt. 10c., oz. 30c., postpaid.

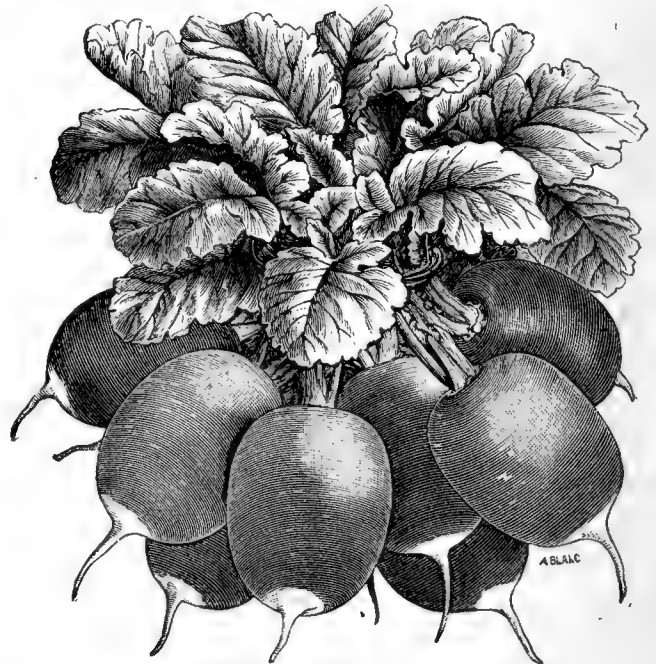


SCARLET TURNIP, WHITE TIP.

variety; color scarlet with white tip. Excellent for market use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

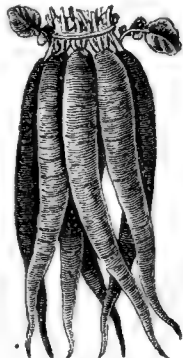
Early White Turnip—Flesh and skin pure white, tender and crisp. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c., postpaid.

Yellow Summer Turnip—A quick growing and very early sort. Large size and both skin and flesh are a golden color. Fine quality, firm and brittle, never gets pithy, so it can be used at any stage of growth. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c., postpaid.



IMPROVED CHARTIER.

Improved Chartier—Decidedly distinct in appearance from any Radish in cultivation. The color at the top is crimson, running into pink about the middle, and from thence downward it is pure waxy white. It will attain a very large size before it becomes unfit for the table. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 90c., postpaid.



LONG SCARLET SHORT TOP.

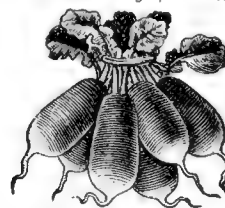
Extra Early Carmine—A very handsome early radish and one of the best forcing varieties. Per pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.15, postpaid.

Long Scarlet Short Top—This variety is grown the country over, in rather the largest quantity, as from its shape (when tied up in flat bunches) it is best suited to ship. In rich light soils its average length is about nine inches. Per Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c., postpaid.

Early Scarlet Turnip—Round, about an inch in diameter, flesh white. Very good. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 55c., postpaid.

Early Deep Scarlet Turnip—Globe shape, early and very fine. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c., postpaid.

Scarlet Turnip White Tip—A very handsome



FRENCH BREAKFAST.



WHITE OLIVE-SHAPED.

French Breakfast—Pink and white; very early and good for forcing. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 65c., postpaid.

White Olive-shaped—Has the form of an olive. Flesh white, tender and of excellent flavor. Very early; adapted either to forcing or open ground. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

NORTHERN GROWN SEEDS & PLANTS.

Scarlet Olive-shaped—Shape oblong, skin scarlet, flesh pink and very tender, fine for early forcing. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c., postpaid.



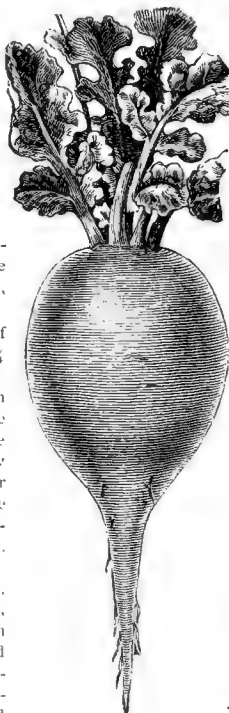
GOLDEN GLOBE.

White Naples—Flesh white, crisp and tender. Skin white, but when exposed to the light, tinged with green. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 65c., postpaid.

Wood's Early Frame—Long red, one of the best for forcing. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 65c., postpaid.

Golden Globe—This variety has been thoroughly tested in all sections of the country, and has proved to be one of the most desirable of the new sorts. Quality fine, and extra rapid growth, being fit for use about five weeks after sowing. We cannot recommend it too highly for general use. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 65c., postpaid.

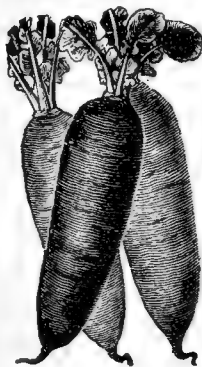
Giant White Stuttgart—Root very large, heart-shaped and of very vigorous growth, maturing in five weeks. Skin and flesh white, the latter constantly brittle and mild flavored at all stages of development. A valuable German variety of recent introduction, and one well qualified to take high rank among both summer and winter radishes. Remarkably slow in running to seed, even in severest heat. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.



GIANT WHITE STUTTGART.

White Strasburg—Good either for family or market garden, an excellent summer variety. The flesh is firm, brittle and tender and of fine flavor. A very rapid grower. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

California Mammoth—A giant white fleshed variety, of excellent quality. Root about a foot long, and three inches thick, tapering regularly to a point. Flesh white, tender and crisp. Keeps well throughout the entire season. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00, postpaid.



BLACK SPANISH.

Long White Russian—Handsome shape; flesh pure snow white, crisp and brittle. A very fine variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 70c., postpaid.

Chinese Rose—Winter—This is, without doubt, the best winter variety in cultivation. A bright rose color, flesh very solid and good flavor. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 90c., postpaid.

Black Spanish—One of the latest as well as the hardiest of the Radishes, and is considered an excellent sort for winter use. Roots oblong, black, of very large size and firm texture. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 65c., postpaid.

Rhubarb.

CULTURE.—Sow in April in drills a foot apart, thinning out to about the same distance apart in the rows when a few inches high.

In the fall or following spring transplant the roots into deep rich soil, three feet apart each way. Do not cut until the third spring after sowing.

Linnaeus—Large, tender, and very fine. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Victoria—Large, tender, thick stalks of a red color and excellent quality. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.25, postpaid.

Salsify.



CULTURE.—Sow as early as the ground can be worked in spring, in drills twelve inches apart, one inch deep, and thin out to six inches in a row. Keep them free from weeds. Cultivate the same as for carrots and parsnips. A part of the crop may be left in the ground until spring, when it will be found fresh and plump. The roots are cut into pieces half an inch long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like parsnips, and have a sweet agreeable flavor. Mashed and fried the flavor is much like that of the oyster; hence the common name of the plant "Vegetable Oyster."

Long White—Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50, postpaid.

Mammoth Sandwich Island—A large and superior variety. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50, postpaid.

Spinach.



ROUND LEAF.

CULTURE.—Sow in early spring in drills a foot apart, every two weeks for a succession; and as it grows, thin out for use. Keep clear of weeds. Sow the New Zealand in hills three feet apart each way, three or four seeds in a hill. This is fit for cutting all summer. For fall use, sow in August all the other varieties, and for winter crop, in September. Cover that which is left out over winter, with straw or leaves, after the weather becomes quite cold.

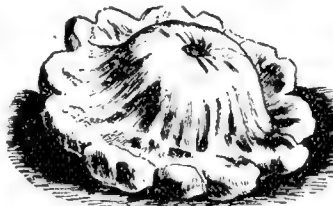
Curled Bloomsdale—Produces nearly twice the weight of crop as the older varieties, and has a further merit in the fact that it is the hardiest of all varieties of Spinach. In appearance, the leaf is wrinkled in the same way peculiar to the Savoy Cabbage. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 45c., postpaid.

Round Leaf—This is the variety so generally cultivated for winter use, being very hardy, standing our severe winters with little injury. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 40c., postpaid.

Long Standing—Except in the characteristic of standing a long time before running to seed, this variety in all other respects closely approaches the well known Round Leaf. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 40c., postpaid.

Prickly Seeded—Hardy, for fall sowing. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 40c., postpaid.

Squash.

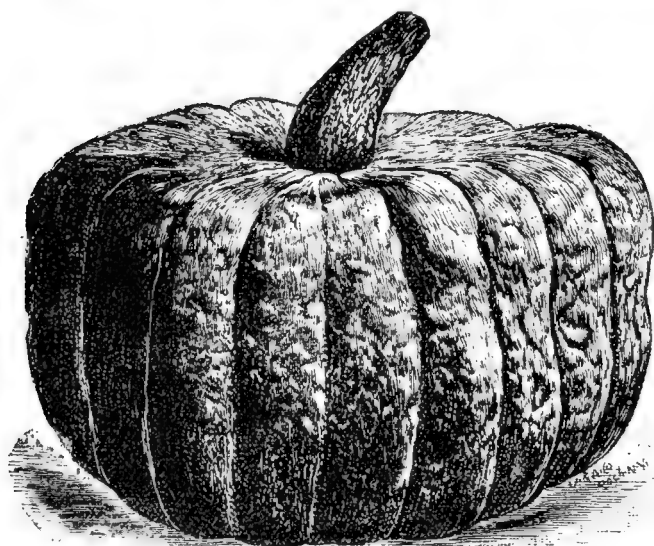


EARLY WHITE BUSH SCALLOP.

CULTURE.—Sow in hills in the same manner and at the same time as cucumbers and melons; the bush varieties three to four feet apart, the running kinds from nine feet apart.

Early White Bush Scallop

Very productive and earliest in cultivation; of a creamy white; excellent shipping quality.



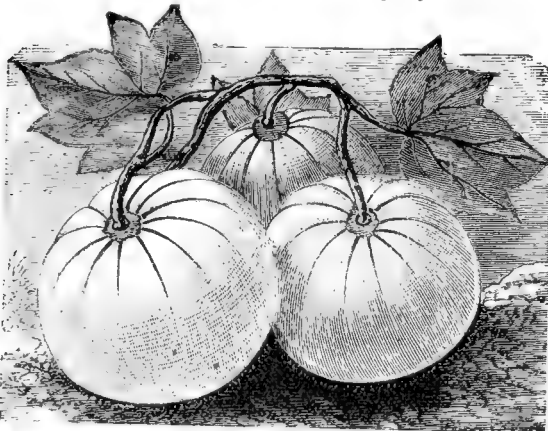
BAY STATE.

on account of the hard texture of the rind. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

Early Yellow Bush Scallop—Similar to the last variety, with the exception of the color, which is an orange yellow. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

Early Summer Crookneck—Early, very productive, and of fine quality; color a golden yellow; skin profusely warted; flavor excellent. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

Prolific Marrow—Earlier and more productive than the old Boston Marrow, very fine fall or winter variety; medium size and splendid flavor. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50, postpaid.



PERFECT GEM.

Perfect Gem—Round and handsome; of fine quality and very productive; good either for fall or winter. Pkt. 5c., $\frac{1}{4}$ lb. 35c., lb. \$1.00, postpaid.

Ex Hybrid—Early, quick growth and very productive. Flesh grained, sweet and thick, also a good keeper. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

State—An excellent keeper; flesh solid, fine grained and of a sweet flavor; color of flesh a bright yellow, while the shell is bluish green shade. Valuable in markets as a green winter variety. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25, postpaid.

White—This variety is very peculiar and distinct in shape; the flesh creamy white, a strong grower, and very prolific; flesh

about the same color of skin, fine grained and excellent quality. A good fall or winter sort. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 35c., lb. \$1.00, postpaid.

Boston Marrow—Vines long and moderately vigorous. Fruit ovoid in shape, pointed at the extremities, and usually eight to nine pounds in weight. Skin very thin and tender; cream colored at maturity, changing to red later on. Flesh salmon color, dry, fine grained, and of superior sugary flavor. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

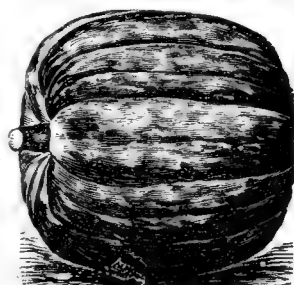


BOSTON MARROW.

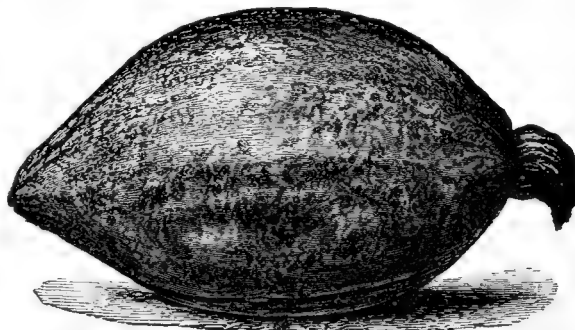
Orange Marrow—Very prolific, fine grained and choice quality. It grows as large as the Hubbard. A most valuable new squash. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 90c., postpaid.

Mammoth Chili—Grows to an immense size, often weighing over two hundred pounds. Excellent for all uses. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00, postpaid.

Marble Head—An excellent variety, resembling the Hubbard. The flesh is rather lighter in color than that variety, while its combination of sweetness, dryness and delicious flavor is remarkable. It yields equal to the Hubbard, and its keeping qualities are said to be better. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 70c., postpaid.

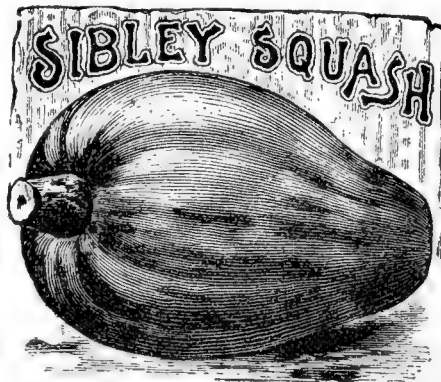


MAMMOTH CHILI.



MARBLE HEAD.

Sibley—One of the best snippers, owing to the hardness of the shell. Flesh is solid and thick, a bright orange color and of choice quality. Flavor rich and sweet. It ripens very evenly, so that nearly the whole crop may be gathered at one picking. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.75, postpaid.



NORTHERN GROWN SEEDS & PLANTS.



HUBBARD.

May. Plant in hills eight feet apart. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c., postpaid.

Mediterranean—A new and valuable variety, which grows to about the same size as the Hubbard, but weighs more, owing to its thick flesh, which is of a golden yellow color, very sweet, and delicious flavor. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.75, postpaid.

Tomatoes.

CULTURE.—Sow in hot-bed in early spring, or the seed may be sown in shallow boxes and placed in a window, where one does not wish to have the trouble of making a hot-bed. Transplant to the open ground when all danger of frost is past, setting the plants three or four feet apart each way. Some support should be provided for the vines to keep the fruit from touching the ground; brush, hay or anything of the sort will answer the purpose, or they may be tied to stakes. Fruit may be had several weeks earlier by sowing the seed quite early, and transplanting to small pots; when these are filled with roots, shift to a larger size, and transplant to open ground when weather is warm and settled, shading from sun for a day or two. As the roots are not disturbed in taking plants from the pots, the plants suffer no check, but grow right on.

Extra Early Red—The best extra early variety. Tomatoes are of large size, bright red and very solid. A vigorous grower and very productive. Choice selected seed. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., postpaid.

Canadian Victor—A very handsome early variety of large size and fine flavor. Very hardy. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., postpaid.

Livingston's Perfection—One of the finest varieties ever introduced. A remarkable keeper and shipper. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., postpaid.

Livingston's Favorite—A splendid variety. Blood-red color. Smooth, solid. Has few seeds and is a heavy cropper. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., postpaid.



CARDINAL.

compact clusters of fruit in immense quantities. Fruit large, smooth, of bright red color; solid, and of good flavor. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., postpaid.

Aeolus—This Tomato is one of the earliest and handsomest varieties ever introduced. The fruit of medium size, perfectly smooth and regular in shape; very solid and a great bearer. Color, quite distinct, being crimson with a pinkish tinge. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., postpaid.

Scovill's Hybrid—A splendid, new early variety of superior merit. Color, bright red, flesh solid and of choice flavor. Ripens perfectly to the stem without showing any signs of rot. One of the best of the new sorts. Per pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.25, postpaid.

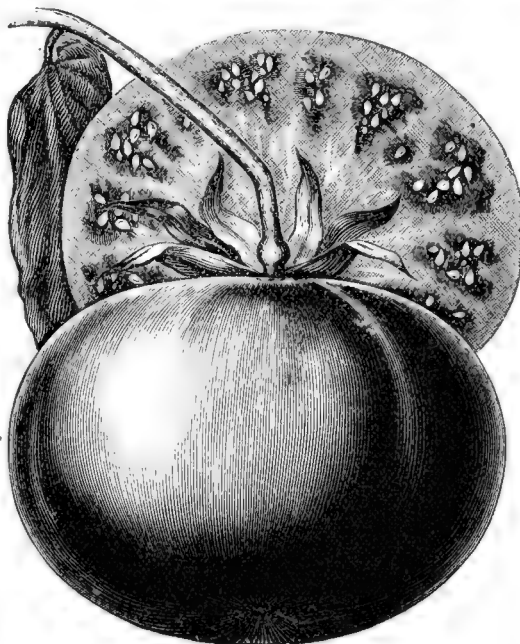


TROPHY.

Paragon—Medium size, color bright glossy crimson, fine flesh and excellent quality. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., postpaid.

Cardinal—Color, brilliant cardinal red when ripe, appearing as varnished; flesh of almost as bright a color. In shape, almost round, solid and with very few seeds. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 75c., postpaid.

Trophy—Well known as one of the best. Vines of medium size, but producing com-



MIKADO.

Mikado—The largest early variety in cultivation. This was introduced in 1886, and seldom has any novelty in so short a time created such a furor in gardening circles. This variety not only produces the largest fruit of any sort in cultivation, but at the same time it is one of the earliest to ripen. The fruit is produced in immense clusters, is perfectly solid, generally smooth, but sometimes irregular. The color is purplish red like the Aeolus, while the variety has all the solidity that characterizes the Trophy. Per pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. \$1.50, postpaid.



Livingston's Beauty—Smooth, crimson, flesh thick and solid, ripens about the same time as the Aeolus, and grows in clusters. An excellent keeper and a good shipper. Vines are strong, vigorous and very productive. A standard variety. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., postpaid.

Volunteer—See Specialties for description. Per pkt. 15c., oz. 75c.



Conqueror—A very early sort with medium sized fruit of the finest flavor. This variety should be more generally cultivated. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., postpaid.

Pear Shaped Yellow—A good pickling sort. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 85c., postpaid.

Red Plume—Small, round, red variety. An excellent sort for pickling. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 85c., postpaid.

Red Pear—Fruit pear shaped, handsome and solid. Good for pickling. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 85c., postpaid.

Dwarf Champlon—A handsome and distinct variety, different from anything in the tomato line. A good cropper, smooth, medium sized and of good flavor. Color about the same as Acme; bush stands upright even when loaded with fruit. Per pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.25, postpaid.

Lorillard—See Specialties for description. Per pkt. 15c., oz. 75c., postpaid.

Peach—A new and odd variety in the tomato line, which resembles the peach in size, shape and color; flavor fine and very attractive in appearance. For exhibition purposes it has no equal. Per pkt. 15c., oz. 65c., postpaid.

Turnips.

CULTURE—Turnips do best in a highly enriched, sandy gravelly, or light loamy soil. Commence sowing the earliest varieties in April, in drills from twelve to fifteen inches apart, and thin out early to six or eight inches in the rows. For a succession, sow at intervals of a fortnight, until the last week in July, from which time to the end of August, sowing may be made for the fall and main crops. Turnips may be preserved until spring, by cutting off the tops about an inch from the bulbs, and storing in the cellar during winter, covering with dry sand; or they can be buried outside in heaps, covering with straw, and twelve to fifteen inches of earth, with wisp of straw put at top for ventilation.

Extra Early Milan—A new white strap leaf, purple top variety, and the earliest in cultivation. Flesh snowy white, solid, fine grained and of the choicest quality. A valuable addition to the list of turnips. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., postpaid.



EXTRA EARLY MUNICH.

Extra Early Munich—This occupies the same place among turnips, that the Egyptian variety does among the Beet family, that of being earliest of all. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 50c., postpaid.

Extra Snowball—A small variety of very rapid growth; fine grained, sweet and crisp. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., postpaid.

Red or Purple Top Strap Leaf—Tops small; bulb mostly above ground, of medium size and flat. Skin white below the surface, and clear bright purple above. Flesh white, sugary and remarkably well-flavored. Very early, hardy and prolific. The leading standard, purely American variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c., postpaid.

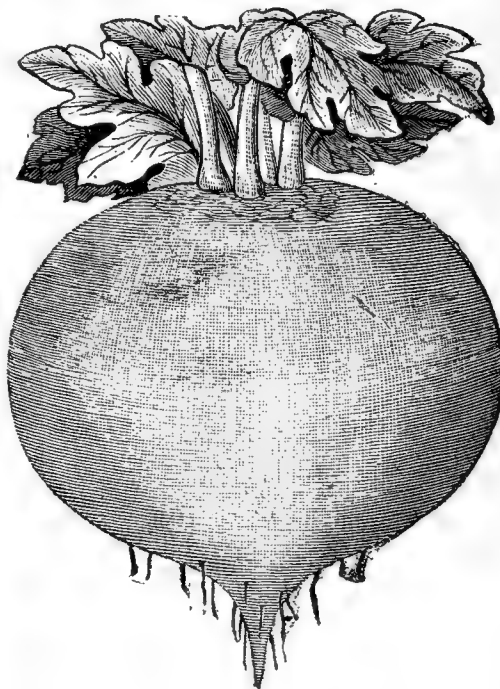
White Strap Leaf—A fine early white sort, and the best for table or market use. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c., postpaid.



WHITE STRAP LEAF.

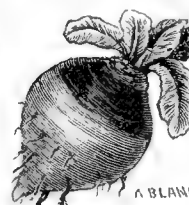


EXTRA EARLY MILAN.



POMERANIAN WHITE GLOBE.

Pomeranian White Globe—A desirable variety and good for either table use or stock. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c., postpaid.



PURPLE TOP STRAP LEAF GLOBE.

Purple Top Strap Leaf Globe—A handsome globe shaped bulb, mild flavor, a popular variety for table use and an immense cropper. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c., postpaid.

Early Dutch—A good garden variety for either early or late culture. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c., postpaid.

White Norfolk—A standard field variety, growing to an immense size, and one of the best early sorts for stock feeding. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c., postpaid.

Cowhorn—Rapid growing, carrot shaped, fine grained, and of a delicious flavor. An excellent variety for table use. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c., postpaid.

White Egg—Shaped like an egg, flesh solid, fine grained, and splendid quality. Both flesh and skin are pure white. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c., postpaid.

Amber Globe—A very popular variety, and one of the best for a general crop. Large sized, and good for either table use or stock feeding. Hardy and productive. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c., postpaid.

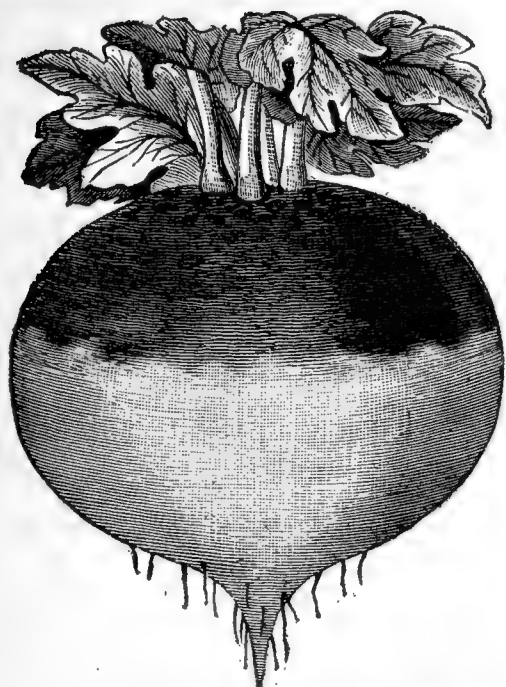
Golden Ball or Orange Jelly—Rapid grower, small globe shaped. Flesh a bright yellow, splendid flavor and an excellent keeper. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c., postpaid.

Yellow Aberdeen—A good variety for either table use or stock feeding. Globe shape, very productive and excellent quality. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c., postpaid.

RUTA BACAS.

White French—A very delicate flavored variety, splendid quality, flesh firm and white, good for table use. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c., postpaid.

NORTHERN GROWN SEEDS & PLANTS.



YELLOW ABERDEEN. SEE DESCRIPTION PAGE 40.

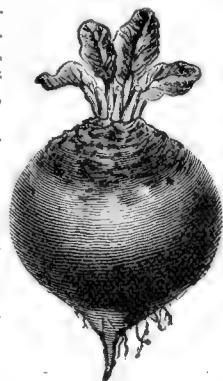
Large White—This variety is a most excellent kind either for table or for stock. It grows to a very large size; flesh white, solid, firm texture, sweet and rich; keeps well. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c., postpaid.

Shamrock—An excellent purple top variety and a good keeper. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c., postpaid.

Carter's Hardy Swede—One of the very best for field culture; flesh yellow, firm and sweet, good for either table use or stock feeding. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c., postpaid.

Large Sweet German—Sweet and a splendid keeper; flesh a pure white. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c., postpaid.

Laing's Purple Top—Leaves cabbage-like and large. Bulb nearly round. Skin



LAING'S PURPLE TOP.

smooth, yellow below and purple above. Flesh yellow, solid and of fine flavor. A distinct variety and one admirably adapted to Southern culture. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c., postpaid.

Skirving's Purple Top—A fine table or stock-feeding variety; flesh solid and sweet; very heavy cropper and a good keeper. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c., postpaid.

Tobacco.

Seed should be sown about the last of March in frames, or in the open ground, when all danger of frost is over. Keep well watered, and when the plants are about six inches high transplant into rows about five feet apart each way and cultivate thoroughly.

Havana—A very fine early variety. Leaves long and pointed. Pkt. 10c., oz. 45c., postpaid.

Connecticut Seed Leaf—One of the most popular varieties in cultivation and produces fine broad leaves. Pkt. 5c., oz. 25c., postpaid.

Sweet, Pot and Medicinal Herb Seeds.

Anise—Cultivated principally for garnishing and seasoning. Pkt. 5c., oz. 15c.

Balm—Used for tea or balm wine. Pkt. 5c., oz. 50c.

Basil Sweet—Used for soups, stews and sauces. Pkt. 5c., oz. 40c.

Bene—Pkt. 5c., oz. 20c.

Borage—Excellent for bees, etc. Pkt. 5c., oz. 20c.

Caraway—Chiefly cultivated for the seed, which is used in confectionary and medicine. In spring the under leaves are sometimes put in soups. Pkt. 5c., oz. 10c.

Coriander—Cultivated for garnishing, but more frequently for its seeds, which are used by confectioners. Pkt. 5c., oz. 15c.

Dill—The leaves are used in soups, sauces and pickles. Pkt. 5c., oz. 15c.

Fennel—Valuable for fish, sauces, etc. Pkt. 5c., oz. 15c.

Horehound—Used medicinally. Pkt. 10c., oz. 50c.

Hyssop—Used for making tea, etc. Pkt. 10c., oz. 30c.

Lavender—An aromatic, medicinal herb. Pkt. 10c., oz. 40c.

Rosemary—An aromatic and ornamental herb. Pkt. 10c., oz. 50c.

Rue—For medicinal purposes; good for fowls for the croup. Pkt. 5c., oz. 25c.

Sage—The leaves and tender tops are used in stuffing and sauces. Pkt. 5c., oz. 20c.

Saffron—Pkt. 5c., oz. 15c.

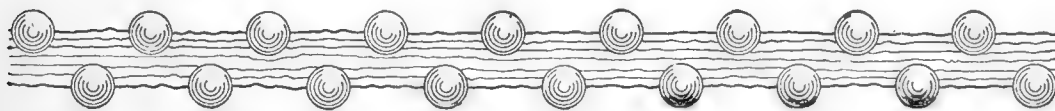
Savory—Used for seasoning. Pkt. 5c., oz. 25c.

Sweet Marjoram—Pkt. 5c., oz. 20c.

Tansy—Pkt. 5c., oz. 50c.

Thyme—For seasoning, etc. Pkt. 5c., oz. 35c.

Wormwood—Used for medicinal purposes. It is also beneficial to poultry, and should be planted in poultry grounds. Pkt. 10c., oz. 50c.





TREE SEEDS.

HOW TO GROW THEM.

If by Mail, postage must be added at the rate of 8 cents per lb. or 15 cents per qt.

In order to preserve trees of **Conifers** and other **Evergreen Trees**, it is best to keep them in perfectly dry sand until the time of sowing. For this latitude, the seeds should be sown thinly, as early in the spring as the ground can be worked, in beds of fine, sandy loam. Cover to the depth of about the thickness of the seed, and press the beds gently with the back of the spade to firm the earth around the seeds. Great care must be taken not to give too much water, as the young plants damp off very easily. Water with a very fine rose, but never so that the ground becomes soggy. Some shade must be used to protect the young plants from the hot, drying sun and winds, and also to keep the birds from destroying them. Keep the young plants well weeded, and allow them to remain from one to two years before transplanting.

The propagation of **Deciduous Trees** from seeds is less difficult than that of the Evergreen species, a little attention only being required to sow at the proper season to insure success. **Walnuts** should be planted in autumn, or kept during the winter in sand or moss. They shrivel up by too long exposure to the air, and many of them lose their power of vegetating entirely. Those with hard shells, like the **Locust**, etc., should be planted in autumn, or placed in boxes with sand and exposed to frost before planting, otherwise they may not vegetate till the second year after planting; but if these seeds are received too late in the spring to expose them to the action of the frost, they may be put into a vessel of hot water for an hour or so before planting. **American Elm**, **Silver Maple**, and a few other sorts, ripen their seeds early in the summer, and if gathered and planted soon after they fall from the tree, will make fine plants the same season. The seeds of other **Deciduous Trees** should be planted from the middle of April to the middle of May, in drills about two feet apart, and covered about half an inch in depth, according to size.

We make a specialty of Tree Seeds, etc., and desire to call attention to our large and complete stock. Special prices will be given on application for large quantities. To plant a five acre tree claim four by four, would require about 13,000 good seeds, allowing the usual percentage for bad seed and vermin it would require about three bushels Soft Maple seed for a five-acre plantation; two bushels Box Elder seed for a five-acre plantation; one and a half bushels Ash seed for a five-acre plantation.

Evergreen Tree Seeds.

Balsam Fir—Per oz. 25c., per lb. \$2.00.
Norway Spruce—Per oz. 20c., per lb. \$1.50.
Nordmann's Fir—Per oz. 35c., per lb. \$3.50.
Austrian Pine—Per oz. 20c., per lb. \$1.50.
Scotch Pine—Per oz. 35c., per lb. \$3.50.
American Arbor Vitæ—Per oz. 35c., per lb. \$3.50.

Deciduous Tree Seeds.

Norway Maple—Per oz. 25c., per lb. \$2.00.
Sycamore (W. Ash or S. Maple) Maple—Per oz. 25c., per lb. \$2.00.

Box Elder—Per lb. 50c., per bush. \$2.50.
Soft Maple—Per lb. 50c., per bush. \$2.75.
White Ash—Per lb. 50c., per bush. \$2.50.
Sugar Maple—Per oz. 25c., per lb. \$2.00.
White American Birch—Per oz. 25c., per lb. \$2.50.
Hardy Catalpa—Per oz. 25c., per lb. \$2.00.
Hawthorn—Per oz. 15c., per lb. \$1.50.
Black Thorn—Per oz. 35c., per lb. \$3.50.
European Ash—Per oz. 25c., per lb. \$2.00.
Honey Locust—Per oz. 25c., per lb. \$2.00.
Butternut—Per qt. 25c., per bush. \$3.00.
Black Walnut—Per qt. 25c., per bush. \$3.00.
American Linden—Per oz. 30c., per lb. \$3.00.
American Elm—Per oz. 35c., per lb. \$3.50.

BIRD SEEDS, Etc.

If by Mail, add 10 cents per pound, or 15 cents per quart.

Canary—Best Sicily. 1 lb. pkg. 10c., qt. 15c., bush. about \$3.00.
Hemp—Russian. Per qt. 15c., bush. \$2.50.
Millet—Per qt. 10c., bush. \$1.50.
Rape—English. Per qt. 15c., bush. \$3.00.
Mixed Bird Seed—Very choice. 1 lb. pkg. 10c., qt. 15c., bush. \$2.75.
Maw—Per pkg. 5c., lb. 25c.

Mocking Bird Food—Very best quality, and always fresh. Per bottle 40c., by mail 50c.
Song Bird Restorer—Per bottle 25c., by mail 30c.
Bird Lice Destroyer—Per pkg. 25c.
Cuttle Fish Bone—Per oz. 5c.
Bird Gravel—White or Red, per qt. 5c.

Northern Transplanted Vegetable Plants.

If by Mail, add 25 cents per hundred.

The plants which we offer are well grown, and from the choicest stocks of seeds. They are not grown for us by outsiders, but on our own grounds and under our own inspection and supervision, and we can without hesitancy recommend them to be the best grade and quality. We can ship at a day's notice by express, *well packed*. This is of the greatest importance to every planter.

CABBAGE PLANTS—Ready April 15th.

Improved Early Summer—Per 100 50c., per 1,000 \$4.50.
Early Jersey Wakefield—“ “ “ “
Early Winnigstad—“ “ “ “

CAULIFLOWER—Ready April 15th.

Large Early Dwarf Erfurt—Per 100 \$1.50, per 1,000 \$10.00.
Early Snowball—“ “ “ “

PEPPER PLANTS (Pot Crown)—Ready May 15th.

Red Cayenne—Each 10c., per doz. \$1.00, per 100 \$6.00.
Sweet Mountain—“ “ “ “
Golden Dawn—“ “ “ “

Egg PLANTS (Pot Crown)—Ready May 15th.

Improved New York Purple—Each 10c., per doz. \$1.00, per 100 \$6.00.
Black Pekin—“ “ “ “

TOMATO PLANTS—Ready May 10th.

Volunteer, New—Per doz. 20c., per 100 \$2.50.
Mikado—“ “ “ “
Trophy—“ “ “ “
Cardinal—“ “ “ “
Acme—“ “ “ “

CELERY PLANTS—Ready June 1st.

Improved White Plume—Per 100 \$1.00, per 1,000 \$7.50.
Boston Market—“ “ “ “
Golden Self Blanching—“ “ “ “
Giant White—“ “ “ “

LETTUCE—Ready April 15th.

Buttercup—Per 100 50c., per 1,000 \$3.75.
May's Market Gardeners' Private Stock—Per 100 50c., per 1,000 \$3.75.
Black Seeded Simpson—Per 100 50c., per 1,000 \$3.75.

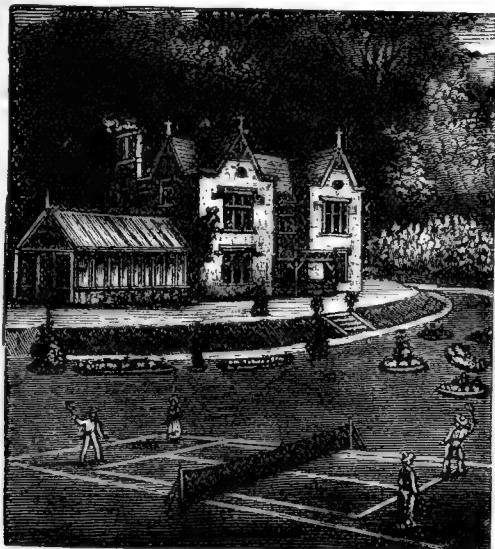


LAWN SEED.

To have a Beautiful and Well-Kept Lawn is the Pride and Admiration of Every Amateur and Gardener.

HOW TO MAKE AND MANAGE A LAWN.

Our Lawn Grass Seed is of the Best Mixture.



In the formation of a Lawn the first and most important matter is that of having good drainage. If the sub-soil be sandy or gravel, the water will pass off quickly, but should the sub-soil be heavy and wet, drains should be made from 8 to 10 feet apart. All levels must be carefully determined in the beginning of this work so that alterations afterwards may be avoided. After grading and getting the lot in good shape remove about four or six inches of the old soil, replace this by a good top dressing of rich loam; the whole should be then well harrowed and rolled, all sticks, roots and stones be removed, so that a smooth surface may be obtained. For small plots, digging, trenching and raking may be done instead of plowing, sub-soiling and harrowing. The seed may be sown in April or May, and will form a good Lawn by August; seed can also be sown in September with good results. The principal management after this consists of rolling, mowing, weeding, etc.; the newly made Lawn must be kept clear of weeds, thistles, docks, etc., until the sod thickens; these should be removed with a knife; cut the root just below the surface; the crown being once cut out they will not appear again. Mowing should be done every week or two during the summer; this will greatly add to the quick formation of a fine, soft, thick sward of grass and constant verdure throughout the season.

QUANTITY REQUIRED.

One quart will sow.....	300 square feet.
One peck will sow.....	2,400 square feet.
One bushel will sow.....	10,000 square feet.
Four bushels will sow.....	one acre.

Fine Mixed Lawn Grass (Central Park Mixture.) For lawns of any extent, we recommend this as our best mixture, to be sown three to four bushels to the acre. (15 lbs. to bushel.) Price, qt. 25c., pk. \$1.25, bu. \$4.00. If sent by mail, add 8c. per lb., and 10c. per qt., to prepay postage.

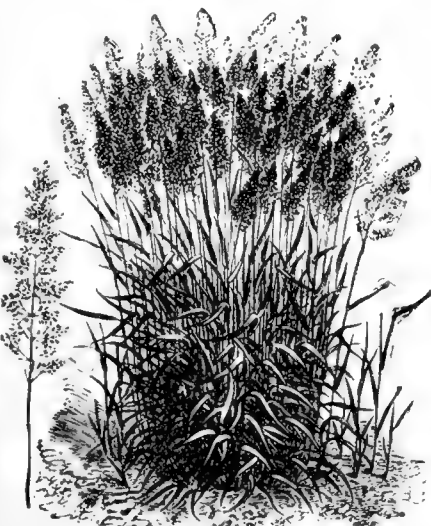
CLOVER AND GRASS SEEDS.

HIGH GRADE AND EXTRA CLEANED.

POSTAGE. Remit in addition, 8c. per pound and 10c. per quart to prepay postage. At the price per bushel and peck, we deliver to express company here, or on board cars. No charge for bags or packing. Prices on Grass and Clover Seeds are liable to market changes daily, and the rates here given are those ruling at this date, Jan. 1, 1890. Should any item appear high write for samples and special prices.

Red Top, (*Agrostis Vulgaris*.) 14 lbs. to the bushel. Valuable for pasturage, is well known and extensively cultivated; two or three bushels will sow one acre. Per qt. 15c., bu. \$1.50.

Kentucky Blue Grass, (*Poa Pratensis*.) 14 lbs. to the bushel. The best of all our Lawn Grasses. In conjunction with White Clover, it forms the finest and closest turf. As a pasture grass it furnishes the most nourishing food



RED TOP.



CRESTED DOGTAIL.



ORCHARD GRASS.

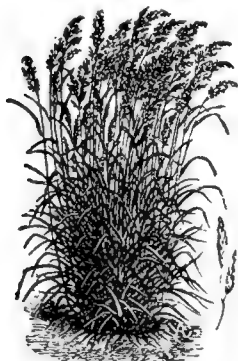
for cattle of any, and until winter. It thrives on a variety of soils, but does best in dry and somewhat shady localities. Three bushels per acre for lawn purposes, and one and a half bushels per acre for pasture. Per qt. 15c., bu. about \$1.50.



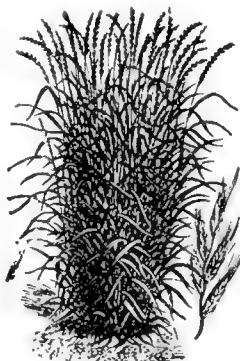
Crested Dogtail, (*Cynosurus Cristatus*.) 21 lbs. to the bushel. This grass, forming a close turf and having rather fine foliage, may be advantageously sown on lawns and other places, to be kept under by the scythe; it is also useful for very dry and gravelly soil. Per lb. 45c.

Orchard Grass, (*Dactylis Glomerata*.) One of the very best pasture grasses, as it is exceedingly palatable to stock, and will endure a great deal of cropping; $1\frac{1}{2}$ to 2 bu. per acre, (14 lbs. to the bu.) Per qt. 20c., bu. about \$2.25.

Timothy, (*Phleum Pratense*.) 45 lbs. to the bushel. This is a field and not a pasture grass, as it will not endure close and frequent cropping; but for a hay crop on strong soils, it will produce more than any other sort. Not so well suited for light, sandy soils; most valuable of all grasses for hay, especially at the North; one-fourth to one-half bushel per acre. Qt. 15c., bu. about \$2.50.



MEADOW FESCUE.



ITALIAN RYE GRASS.

Italian Rye Grass, (*Lolium Italicum*.)—Extensively used in Europe for soiling. It gives an early, quick and successive growth, till late in the fall. Recommended for use in pasture mixtures here; two bushels to the acre, (about 18 lbs. to the bu.) Per qt. 20c., bu. \$3.00.

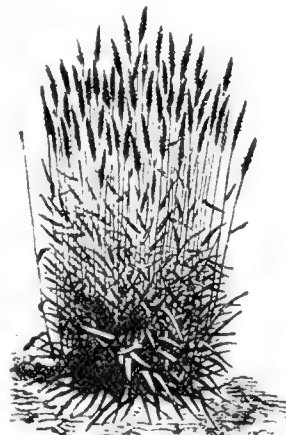
Meadow Fescue, (*Festuca pratensis*.)—An excellent pasture grass. Its long and tender leaves are much relished by cattle. Should be sown in mixture with other grasses, as Orchard Grass, Rye Grass or Kentucky Blue Grass; 40 lbs. to the acre, (15 lbs. to the bushel.) Per lb., 30c.

Perennial Rye Grass, (*Lolium perenne*.)—Valuable for permanent pasture, in mixture with other pasture grasses. Succeeds best on moderately moist land; $1\frac{1}{2}$ to 2 bushels per acre, (24 lbs. per bu.) Per lb. 15c., bu. about \$2.50.

German or Golden Millet—A medium early forage plant, prolific of both stalk and grain; 25 lbs. to the acre, (50 lbs. to bu.) Per lb. 15c., bu. about \$2.25.

Sweet Vernal Grass, (*Anthoxanthum odoratum*.)—The chief merit of this grass lies in its fragrant odor, which the leaves emit when partially dried, thus sweetening hay; should be in every mixture for lawns. Oz. 20c., lb. \$1.

Tall Meadow Oat Grass, (*Avena elatior*.)—Valuable for pastures on account of its early and luxuriant growth. It is relished by cattle both in green and dry state. The most promising grass for taking the place of prairie grass at the west; 5 bushels to the acre, (13 lbs. to the bushel.) Per lb. 25c.



SWEET VERNAL GRASS.

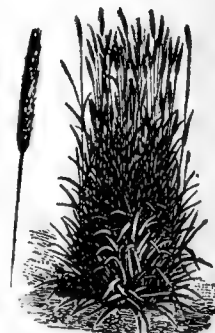
Meadow Foxtail, (*Alopecurus pratensis*.)

—This is one of the best and earliest of pasture grasses; it thrives best on meadow lands; 25 lbs. to the acre, (7 lbs. to the bushel.) Per lb. 40c.

Hungarian Grass, (*Panicum Germanicum*.) One of the most valuable annual soiling plants. It will grow in any ordinary soil, withstands drought remarkably and may be sown as late as the first of July, and produce a large green crop; $1\frac{1}{2}$ bushels to the acre, (48 lbs. to the bushel.) Per lb. 15c., bu. about \$1.75.

Hard Fescue—16 lbs. to the bushel. Not very productive, but it is of a very fine quality, and thrives well in dry situations, where many other grasses would fail, thus making it a desirable pasture variety. Price, 35c. per lb., postpaid.

Creeping Bent Grass—15 lbs. to the bushel. Valuable as a mixture with other pasture grasses, as it thrives in moderately moist land on which water does not stagnate. We find it also the best sort for croquet grounds, and small door yards or grass plats. For lawns sow three or four bushels to the acre; for pasture one to one and a half. Per lb. 40c. postpaid.



MEADOW FOX-TAIL.

Clover.

White, (*Trifolium repens*.)—60 lbs. to the bushel. Valuable for mixing with lawn grass, and should be in every mixture for permanent pasture. Per lb. 30c., 25 lbs. and over 25c. per lb.

Medium Red, (*Trifolium pratense*.)—60 lbs. to the bushel. Excellent for pasturage or hay; valuable as a green manure; and should be in all grass mixtures; 8 to 10 lbs. per acre, when sown alone. Market price, lb. 15c.

Mammoth Red, (*Trifolium pratense*.)—Used largely for plowing under for manure. Its stalks are so coarse that stock will eat only the leaves, but by its judicious use, exhausted lands can be reclaimed, as it will grow where common clover will fail; 8 lbs. to the acre. Market price, lb. 30c.

Alsike or Swedish, (*Trifolium hybridum*.)—Thrives in rich, moist soil. Does not succeed on high, dry lands; 6 lbs. per acre. Lb. 25c.

Scarlet or Crimson, (*Trifolium incarnatum*.) An annual variety, in common use in Italy and the south of France for feeding green. It furnishes very early fodder; 8 lbs. to the acre. Per lb. 30c.



ALFALFA OR LUCERNE.

Alfalfa or Lucerne.

Agricultural reports from the Northwest confirm that Lucerne is successful in this Territory, and that it will become the greatest forage plant in cultivation.

Under proper management it will yield at least twelve tons to the acre. All classes of stock are exceedingly fond of it. Horses will

NORTHERN GROWN SEEDS & PLANTS.

do more work and keep in finer condition than on almost any other food. It makes the largest quantity of the richest milk and butter.

The roots are so long and grow so deep, frost cannot heave or throw it out in winter. One sowing will stand for ten years, and instead of impoverishing the soil enriches it. As a fertilizing and land enriching crop it has no equal. It is verily making the desert blossom like the rose. Grows on the thinnest sandy soil, and thrives in the greatest drouth.

The best method is to sow broadcast about 15 pounds per acre where the land is in good condition, but on very weedy land or clean

gravel or sand that is very poor, put about three pounds more. You cannot get any crop from it the first year, but do not get discouraged if the plants are on an average of ten inches apart, little, slim, single stems about four or six inches high. Your prospect is good that you will get four tons per acre next year, and the next it will be as good as ever it will, and stand that way for ten years. It is best to sow with grain. Oats are the best; thus you will lose no time, but can have a crop from your land every year. In fact, it does better to have it shaded when young. Sow at the same time that you do spring grain. 60 lbs. to the bushel. Per lb. 20c., bu. \$10. Best quality.

Northern Grown Farm Seeds.

Broom Corn.

Add for postage on Broom Corn 10 cents per quart.

Improved Evergreen—Grown extensively on account of the color and quality of its brush, which is long, fine and straight, and always green. Height, 7 feet. Qt. 15c., bu., \$3.00.

California Golden—One of the most popular kinds grown for making brooms. Requires no bending down, as the brush has a leaf or sheath around its base, which keeps it from crooking. Grows to a height of about 12 feet. Qt. 20c., bu., \$3.50.

Buckwheat.



NEW JAPANESE BUCKWHEAT.

New Japanese Buckwheat—In 1883 a gentleman travelling in Japan, sent to a friend in New Jersey, about a thimbleful of this new variety. It was carefully planted, and enough seed raised to sow one-half bushel in 1886, from which the crop was forty bushels. A few bushels of this was given out for trial among neighboring farmers, who were delighted with the enormous yields it produced. Sown at the same time with Silver-Hull, it proved two weeks earlier and yielded twice as great. The kernels are twice the size of any other buckwheat, as shown in our illustration above; of a rich dark brown color and manufacture a superior flour. Owing to its branching character only one-half as much seed is required per acre, while the straw is much stiffer and stands up better. This

new buckwheat must in time displace all others. By mail, lb. 30c., postpaid. By express, bu., \$3.00.

Silver Hull—Ripens about two weeks earlier than the common variety, a heavy yielder, and not easily affected by drought. The berry is of a light silvery gray color, and the flower is whiter and more nutritious than that made from the common sort. By mail, lb. 25c., postpaid. By express, bu. \$2.75.

Queen's Golden Pop-Corn.

The most valuable variety grown. Its beautiful appearance when popped, easily distinguishes it from other varieties. Its pops perfectly white and a single kernel will expand to a diameter of one inch. The stalks grow nearly six feet high and the ears, which are particularly large and fine, are produced in great abundance. Mr. Queen, the originator, says: "It is so far ahead of all others that I have seen or tried, as to be beyond comparison in every respect, in yield, in sturdy growth, in size and in color when popped, being of a delicate golden yellow. Above all is its exceeding tenderness when popped together with its delicious and delicate taste. Give it a trial. Pkt. 5c., pt. 30c., qt. 50c., postpaid. By express, qt. 40c.

White Pearl—Smooth small grain, ears four to five inches long. Seven-eighths to one and one-eighth inches in diameter. Good for family use or market. Pkt. 5c., pt. 25c., qt. 40c., postpaid. By express, qt.

Corn.

King of the Earlies—This, the earliest yellow dent corn in cultivation, originated by Mr. A. L. Goddard, of Northern Iowa, the originator of the "Pride of the North," we now offer it to the public for the first time. Stalks grow 6 to 7 feet high, ears 7 to 9 inches long, very deep soft grain, and small red cob, it ripened in 80 days from planting, being a week to ten days earlier than "Pride of the North," and "Yellow Canada Flint." This new corn will mature in any part of the country where it is possible to grow Flint varieties, and is a valuable variety for the extreme north, and for feeding purposes. By mail, lb. 50c., 3 lbs. \$1, postpaid. By freight or express, pk. 75c., bu. \$2, 2 bu. or over, \$1.50 per bu.

Pride of the North—(Dent.)—Cob small, kernels deep, and compactly set on the cob, has yielded 100 bushels shelled corn per acre, ripening where nearly every other variety failed to mature, on account of the bad season, giving 85 per cent of good seed corn. Planted as late as July 1st, it has fully matured by October 1st. The ears have from 14 to 16 rows. By mail, lb. 25c., postpaid. By express or freight, pk. 50c., bu. \$1.25.

King Philip—(Flint.) Very early, usually matures three months after planting. Ears ten to twelve inches long; kernel copper colored. One of the oldest and best of the Flint varieties. By mail, per lb. 25c., postpaid. By express or freight, pk. 50c., bu. \$1.50.

Early Favorite—(Dent.) Ripens early and hence succeeds where many varieties will not mature. By mail, lb. 25c., postpaid. By express or freight, pk. 50c., bu., \$1.50.



Large Yellow Dent—Of a bright yellow color; the ears are large and of fine shape. By mail, lb. 25c., postpaid. By express or freight, pk. 50c., bu., \$1.50.

Large White Dent—Very similar to the preceding variety, except in color, which is white instead of yellow. By mail, lb. 25c., postpaid. By express or freight, pk. 50c., bu., \$1.50.

Wauashakum—An eight-rowed, yellow flint variety. Ears eight to ten inches long; cob white and small very hardy and possesses great yielding capacity. By mail, lb. 25c., postpaid. By express or freight, pk. 50c., bu., \$1.50.

Sugar Cane.

Early Amber.—The earliest and most productive variety. Height ten to twelve feet. Its saccharine matter is of first quality, fine and rich. One of the best green fodder plants, producing from two to three cuttings during the summer. Sow 4 qts. in drills and 8 qts. broadcast to the acre. By mail, qt. 35c. postpaid. By express, qt. 20c., bu. \$3.00.

Kaffir Corn.

One of the best things offered of late years for a forage plant. The



KAFFIR CORN.

been sent out for many years. Well cleaned samples of these oats will weigh fifty-one pounds per bushel. While an ordinarily cleaned lot will weigh forty-five pounds. Aside from its extraordinary weight it ripens ten days earlier than any other. Straw stiff and free from any tendency to lodge. Pk. 60c., bu. \$2.00.

Welcome.—An excellent variety, very productive and heavy; straw



EARLY AMBER.

heads contain small white seeds, which make an excellent flower. They are greedily eaten by horses and cattle, and make excellent food for poultry, either fed in the grain or ground and cooked. The foliage and stalk make fine forage. By mail, pkt. 5c., lb. 50c., postpaid. By express, lb. 40c., 10 lbs. \$3.50.

Oats.

American Triumph.—Straw strong and firm, bearing large heads, well filled with plump, heavy grain, destined to be a leading variety. Pk. 50c., bu., (32 lbs.) \$1.50.

Clydesdale.—One of the most important additions to the list of farm seeds that has

stiff; grain plump. Average forty-five lbs. per measured bushel with good cultivation. Peck 40c., bu. \$1.25.

Wide-Awake.—A remarkably productive variety, yielding 65 to 125 bushels per acre, according to the nature and condition of the soil. The grain is heavy and plump, and has a thin husk. Straw stiff and vigorous, showing no sign of rust. This variety has been thoroughly tested, and proved to be a superior sort, both in quantity and quality. Pk. 75c., bu. \$2.50.

Sunflower.

Mammoth Russian.—Grows to double the size of the common Sunflower, and the yield of seed is twice as great. One hundred and twenty-five bushels to the acre, have been grown at a less expense than corn. It is highly recommended for poultry and is the best egg producing food known. The leaves make splendid fodder, much relished by all kinds of stock. The seed is also good feed for horses, and yields a fine quality of oil while the strong, thick stalks are used for fuel, so there is no waste whatever in any of its product. By mail, pkt. 5c., qt. 40c., postpaid. By express, qt. 25c., bu. \$3.50.



Large Common Sunflower.—Large flowers producing an abundance of seed. By mail, qt. 35c., postpaid. By express, qt. 20c., bu. \$2.50.

Wheat.

Saskatchewan Fife—Probably no wheat in the West has attracted more attention the past few years than Northern Saskatchewan. The original stock was brought down from Manitoba, and was held as high as \$20 per bushel. It is recommended by all millers in Minneapolis and other milling centres as the best Fife for milling purposes. It is without doubt the best wheat for Minnesota and Dakota. At every fair in the West where Northern Saskatchewan Fife was displayed it always carried off the first premium. Our stock is grown for us by a skilled grain grower very far north, and is confidently considered by us as the truest to be procured. Per lb. 30c., 3 lbs. 75c., postpaid. By express or freight, pk. 60c., bu. \$1.75.

White Russian Wheat—The White Russian Spring Wheat has long, straight, strong, healthy, yellow straw, standing straight several days after ripening, and bearing long, large heads, well filled with plump kernels, weighing oftentimes from sixty to sixty-two pounds to the measured bushel. Per lb. 30c., 3 lbs. 75c., postpaid. By express or freight, pk. 60c., bu. \$1.75.

Grasses and Clovers for Alternate Husbandry.

The following mixtures of Grasses and Clovers for alternate crops have been selected, after careful observations and experiments with the different varieties, and proportioned for the purposes required. The kinds recommended for one year will yield the heaviest product

NORTHERN GROWN SEEDS & PLANTS.

in that time, and for two or three years' lay, care has been taken to reduce the quantities, or exclude altogether, some kinds, which, though usually recommended and sown for these crops, do not endure in the land for so long a period. A three or four years' lay sown with such grasses and clovers, that are only of annual or biennial duration, must be either very thin or foul at the end of the period for which it was laid; whereas, if a proper selection of these varieties capable of lasting the whole of the desired period were sown, the lay would remain in full plant, free from weeds or objectionable grasses, and be more profitable during the whole time the land is in grass.

There is an increasing demand for grass seeds for remaining down for two or more years, and, in the present depressed condition of agriculture, the system of extending the period during which rotation grasses remain down has many advantages, while the cost of suitable seeds is much less than those for permanent pasture.

All the seeds used in the following Mixtures are of the **FINEST QUALITY**, pure and true. Each variety will be sent separately when ordered in quantity to seed five acres or over, if so desired; otherwise they will be mixed ready for use, the light and heavy seeds being kept separate, for the purpose of sowing at two casts.

Quotations are given for the quantity of seed for an acre (as specified); for less quantity than to seed an acre the pound prices are charged. No charge for bags or sacks when seed for five or more acres are ordered, unless ordered to be sent in separate kinds or in small quantities, then bags are charged extra.

No. 1.

Grasses and Clovers for One Year's Hay.

Italian Rye Grass, Perennial Rye Grass, Timothy,
Orchard Grass, Red Clover, Scarlet Clover,
Alsike Clover and Lucerne Clover.

Allowing 22 pounds per acre.

- a.—On light soils, per acre, \$2.50; per pound, 15 cents.
b.—On medium soils, " 2.25; " " 15 "
c.—On heavy soils, " 2.25; " " 15 "

No. 2.

For Two Years' Mowing or Grazing.

Italian Rye Grass, Perennial Rye Grass, Kentucky Blue Grass,
Orchard Grass, Meadow Fescue Grass, Timothy,
Red Clover, Scarlet Clover, Alsike Clover,
and White Clover.

Allowing 25 pounds per acre.

- a.—On light soils, per acre, \$2.90; per pound, 17 cents.
b.—On medium soils, " 2.75; " " 17 "
c.—On heavy soils, " 2.75; " " 17 "

No. 3.

For One Year's Hay and Two Years' Pasture.

Italian Rye Grass, Perennial Rye Grass, Kentucky Blue Grass,
Orchard Grass, Meadow Fescue Grass, Hard Fescue,
Crested Dogtail Grass, Timothy, Red Clover,
Scarlet Clover, Alsike Clover, Lucerne Clover,
and White Clover.

Allowing 28 pounds per acre.

- a.—On light soils, per acre, \$3.00; per pound, 17 cents.
b.—On medium soils, " 3.00; " " 17 "
c.—On heavy soils, " 3.50; " " 20 "



No. 4.

For Three Years' Mowing and Grazing in Orchards and Shaded Situations.

Hard Fescue Grass, Meadow Foxtail Grass, Italian Rye Grass,
Perennial Rye Grass, Orchard Grass, Tall Meadow Oat Gr.,
Timothy, Wood Meadow Grass, Mammoth Clover,
and White Clover.

Allowing 26 pounds per acre.

Price per acre, \$3.50; per lb., 20 cents.

Grasses and Clovers for Permanent Pasture.

These select mixtures of seeds are calculated to produce, on the various soils for which they are adapted, a constant succession of all the best and most nutritious grasses and clovers, in suitable proportions, during the entire season. They may seem expensive when compared with the price usually paid for permanent pasture mixtures, largely composed of Rye Grass; but it should be borne in mind that such permanent mixtures have not been by any means satisfactory, as Rye Grass will not endure our seasons for more than the second season after sowing; whereas selections of the seeds given below will produce profitable pastures the first year after they have been laid down, and will increase in profitableness year by year, if ordinary care be given them.

Quotations are for the price of seed for an acre; for less than will seed one acre, the pound prices are charged. No charge for bags or sacks when seed for five acres or more is ordered, unless requested to



be sent in separate varieties, or when ordered in small quantities; in such cases bags are charged extra.

Light and heavy seeds will be sent separate.

No. 5.

For Pastures on Light Soils.

Crested Dogtail Grass, Hard Fescue Grass, Kentucky Blue Grass, Meadow Foxtail Grass, Meadow Fescue Grass, Orchard Grass, Perennial Rye Grass, Mammoth Clover, Timothy, Alsike Clover, Red Top Grass, Lucerne Clover, Red Clover and White Clover.
Allowing 30 pounds per acre.
Price per acre, \$3.75; per pound, 17 cents.

No. 6.

For Pastures on Medium Soils.

Crested Dogtail Grass, Meadow Fescue Grass, Kentucky Blue Grass, Hard Fescue Grass, Meadow Foxtail Grass, Orchard Grass, Perennial Rye Grass, Red Top Grass, Alsike Clover, Timothy, Lucerne Clover, Red Clover, and White Clover.
Allowing 30 pounds per acre.
Price per acre, \$4.00; per pound, 20 cents.

No. 7.

For Moist Lands, and Those Occasionally Overflowed.

Creeping Bent-Grass, Kentucky Blue Grass, Meadow Foxtail Grass, Orchard Grass, Timothy, White Clover.
Allowing 30 pounds per acre.
Price per acre, \$3.00; per pound, 15 cents.

No. 8.

For Pastures on Well Drained Soils.

Recommended by Prof. Brown.

Meadow Fescue Grass, Meadow Foxtail Grass, Kentucky Blue Grass, Orchard Grass, Perennial Rye Grass, Red Top Grass, Timothy, Yellow Oat Grass, Lucerne Clover, Alsike Clover, Red Clover, White Clover, and Yellow Clover.

Allowing 35 pounds per acre.

Price per acre, \$5.50; per pound, 22 cents.

No. 9.

For Pastures on Well Drained Soils, Composed of the Same Varieties as No. 8.

Allowing 28 pounds per acre.

Price per acre, \$4.00; per pound, 20 cents.

[This and No. 7 have been our standard mixtures for the past eight years. Our many customers who have sown them, speak most favorably of the results, and strongly recommend their more general use.]

No. 10.

For Sandy and Gravelly Soils.

Crested Dogtail Grass, Hard Fescue Grass, Kentucky Blue Grass, Perennial Rye Grass, Red Top Grass, Sheeps Fescue, Lucerne Clover and Tall Oat Grass.
Allowing 33 pounds per acre.
Price per acre, \$4.25; per pound, 20 cents.

No. 11.

For Pastures in Orchards and Shady Places.

Evergreen Meadow Grass, Kentucky Blue Grass, Hard Fescue Grass, Italian Rye Grass, Perennial Rye Grass, Orchard Grass, Sweet Vernal, Timothy, Red Clover, Wood Meadow Grass, Trefoil, and White Clover.
Allowing 30 pounds per acre.
Price per acre, \$3.75; per pound, 18 cents.

TABLE SHOWING THE QUANTITY OF SEED USUALLY SOWN UPON AN ACRE.

Lbs. per bush.		Lbs. per bush.	
Barley, broadcast	48	Melon, Musk, in hills	2 to 3 lbs.
Beans, Dwarf, in drills	60	Melon, Water, in hills	4 to 5 lbs.
Beans, Pole, in hills	60	Millet	1 bush.
Beets, Table, in drills	60	Oats, broadcast	2 to 3 bush.
Beets, Mangel-Wurzel	60	Onion, in drills	6 to 8 lbs.
Broom Corn, in hills	46	Onion for Sets, in drills	50 lbs.
Buckwheat	48	Onion Sets, in drills	6 to 12 bush.
Cabbage, in beds to transplant	48	Parsnip, in drills	4 to 6 lbs.
Carrot, in drills	60	Round Peas, in drills	1½ bush.
Clover, Red	60	Wrinkled Peas, in drills	1½ bush.
Clover, White	60	Peas, broadcast	3 bush.
Clover, Alsike	60	Potatoes, (cut tubers)	8 bush.
Clover, Lucerne or Alfalfa	60	Pumpkin (in hills)	3 lbs.
Corn, in hills	56	Radish, in drills	8 to 10 lbs.
Corn, for Fodder	56	Rye, broadcast	2 to 3 bush.
Cucumber, in hills	56	Sage, in drills	2 lbs.
Flax, broadcast	56	Salsify, in drills	1½ bush.
Grass, Kentucky Blue	14	Spinach, in drills	15
Grass, Orchard	12	Squash (bush varieties,) in hills	4 lbs.
Grass, English Rye	24	Squash (running varieties,) in hills	3 lbs.
Grass, Red Top	14	Sugar Cane	12 lbs.
Grass, Timothy	45	Tomato, to transplant	½ lb.
Grass, Hungarian	45	Turnip, in drills	2 lbs.
Grass, Lawn	15	Turnip, broadcast	2 lbs.
Hemp	44	Vetches, broadcast	2 to 3 bush.
Kale	44	Wheat, broadcast	1½ to 2 bus.

QUANTITY OF SEEDS REQUIRED FOR A SPECIFIED LENGTH OF DRILL.

Asparagus	1 oz. for 60 ft. of drill.	Parsnip	1 oz. for 150 ft. of drill.
Beet	1 oz. for 50 ft. of drill.	Peas	1 qt. for 100 ft. of drill.
Beans, Dwarf	1 qt. for 100 ft. of drill.	Pumpkin	1 oz. for 40 hills.
Beans, Pole	1 qt. for 150 hills.	Radish	1 oz. for 75 ft. of drill.
Carrot	1 oz. for 150 ft. of drill.	Salsify	1 oz. for 70 ft. of drill.
Cucumber	1 oz. for 50 hills.	Spinach	1 oz. for 75 ft. of drill.
Corn	1 qt. for 200 hills.	Squash, Early	1 oz. for 50 hills.
Dandelion	1 oz. for 200 ft. of drill.	Squash, Marrow	1 oz. for 20 hills.
Endive	1 oz. for 150 ft. of drill.	Turnip	1 oz. for 150 ft. of drill.
Leek	1 oz. for 100 ft. of drill.	Cabbage	1 oz. for 2000 plants.
Melon, Water	1 oz. for 30 hills.	Cauliflower	1 oz. for 2000 plants.
Melon, Musk	1 oz. for 50 hills.	Celery	1 oz. for 3000 plants.
Okra	1 oz. for 40 ft. of drill.	Egg-Plant	1 oz. for 1000 plants.
Onion	1 oz. for 100 ft. of drill.	Lettuce	1 oz. for 3000 plants.
Onion Sets, small	1 qt. for 40 ft. of drill.	Pepper	1 oz. for 1000 plants.
Parsley	1 oz. for 125 ft. of drill.	Tomato	1 oz. for 1500 plants.

NORTHERN GROWN SEEDS & PLANTS.



General List of Flower Seeds.

Annuals grow, bloom and die the first year from seed.

Biennials bloom the second year from seed and then die, though many if sown early in the spring will flower the first year.

Perennials usually bloom the second year from seed and continue to grow and blossom for many years. Some will also bloom the first year if sown early.

All Flower Seeds sent free by mail on receipt of price. Full cultural directions on each package.

We have, this year, given Flower Seeds a more prominent part in our Annual Catalogue; we know of nothing that for so little expenditure of money, coupled with attention and care on the part of the planter, will give so rich, so beautiful and so liberal a reward. No one should fail to have flowers in their homes; they are a thing of beauty and a joy forever; the richness of coloring, the fragrance of perfume, and the wonderfully beautiful and varied forms of petal, leaf and flower are a pleasing study, charm the eye of all beholders and exercise a refining and elevating influence in the home.

Abronia—(Annual.)



ABRONIA.

Beautiful trailing plants with prostrate branches several feet in length, and flowering in large trusses like the Verbena. Very fragrant; suitable for beds, rock work or baskets.

Abronia Arenaria—Waxy lemon yellow. 10c.

Abronia Umbellata—Rosy lilac, white eye. 5c.



ACANTHUS.

Acanthus—(Perennial.)

Acanthus Latifolius—Stately foliage plants, suitable for specimens on lawns or in borders, presenting a rich tropical effect. The leaves on Corinthian columns were copied by the ancients from this plant; height 3 feet. 5c.

Aconitum—(Perennial.)

Aconitum Napellus—(Monk's Hood.) Hardy handsome plants, producing an abundance of dark blue flowers on long spikes. Succeeds in beds or in partial shade; height 4 feet. 5c.

Acroclinium—(Everlasting.)

The Acroclinium is one of the most beautiful of the everlasting flowers. Of strong growth, and attains the height of about 18 inches, bearing a great number of pink and white daisy-like flowers with a yellow centre. Should be gathered the first day they open, or before fully open to secure a bright centre when dried. They also make elegant summer flowering for beds, &c.

Acroclinium Album

White. 5c.

Acroclinium Roseum—Bright rose color. 5c.

Acroclinium Rubrum—Bright red. 10c.



ACROCLINIUM.

Alyssum.

Whether grown for summer blooming or for flowering in fall and winter in the parlor or green-house, its easy culture, and the delicate honey-like fragrance of its flowers, so much prized in bouquets and baskets, makes this old favorite largely grown.

Alyssum, Sweet—Flowers white, 1 foot. Hardy Annual. 5c.

Benthami Compactum—This new sort never grows over six inches high, and is thickly studded with small flower spikes of pure white. 10c.

Saxatile Compacta—(Rock or Golden Alyssum.) Show yellow, 1/4 foot; hardy perennial. 5c.

Wiersbeckii—White and yellow, 1 foot; hardy perennial. 5c.



Adonis—(Annual.)

Flos Adonis, sometimes called Pheasant's Eye, has a fine pretty foliage and brilliant scarlet flowers. Very ornamental for flower garden borders, etc. Flowering freely, and of easy cultivation; 12 to 18 inches in height.

Adonis Autumnalis—Intense blood red with black center. 5c.
Adonis Vernalis (Perennial.) A charming hardy variety, with large yellow flowers. 5c.



ADONIS.



AGERATUM.

Ageratum—(Annual.)

Flowers brush like, and indispensable for the garden. Fine for winter blooming, indoors.

Ageratum—Blue, 2 feet, 5c.
Ageratum Tom Thumb—Blue, $\frac{1}{4}$ foot. 5c.
Ageratum Tom Thumb—White, $\frac{1}{4}$ foot. 5c.

Amaranthus—(Annual.)

Very ornamental and much admired plants. The colors will be more brilliant if planted in moderately rich soil.

Bicolor Ruber—Foliage green and dark red, tipped with yellow; 2 feet. 5c.
Salicifolius—A beautiful amaranth, both in habit and color; plant pyramidal; 3 feet. 5c.
Tricolor (Joseph's Coat)—Red, yellow and green foliage; height 2 feet. 5c.

Antirrhinum.

Snap Dragon—(Annual.)



ANTIRRHINUM.

Unsurpassed for summer and fall flowering. The strains we sell are particularly fine, and will fairly vie with the Carnation in the variety of their stripes and spots.

Tall Mixed—Various colors; height 2 to 3 feet. 5c.

Tom Thumb Mixed—Dwarf growing sorts; height $\frac{1}{4}$ foot. 5c.

Nanum Picturatum—New blotched and spotted sorts of great beauty; 2 feet. 10c.

Aquilegia— Perennial.)



The Aquilegia is the old and well known Columbine of almost every conceivable color and singular variation of form. Like a good many of our perennials, this flowers early in the spring. Seeds may be sown in the open ground. Plants can be increased by a division of the roots. It grows wild in almost every temperate country in the world, and is called by children the Wild Honeysuckle. 1 to 3 feet.

Double Mixed—Price 5c.

Single Mixed—Price 5c.

Golden Spurred—Beautiful long yellow spurred flowers. Price 10c.

Asters.

(Annual.)



No plant is more popular than the Aster, and few have held so high a place in popular esteem for so many years, and it is still growing in favor. We can safely say that for an autumn display it has no successful rival among the annuals. Give them a rich deep soil. Mulching with coarse manure is also beneficial. In this latitude Asters do well, sown in the open ground from the middle to the last of May.

Dwarf Pyramidal Bouquet—Magnificent dwarf variety about one foot high, each plant resembling a complete bouquet of pyramidal shape; mixed colors. 10c.

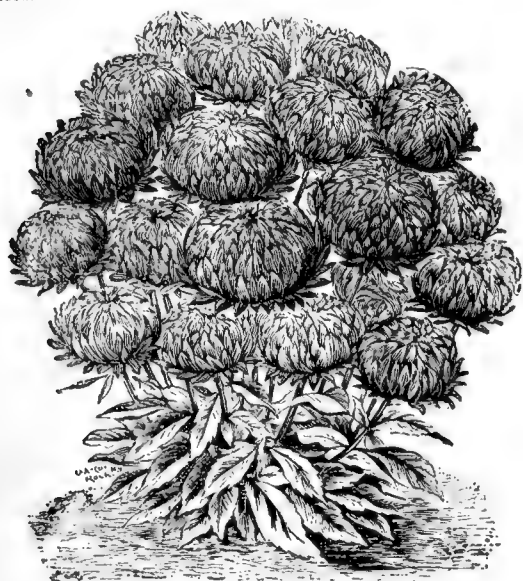
NORTHERN GROWN SEEDS & PLANTS.

Comet—A beautiful new and very distinct Aster. The flowers are very large, measuring from three to four inches in diameter and resembles the Japanese Chrysanthemum. Color a delicate pink with white margin. 25c.



COMET ASTER.

Globe Pæony-Flowered—Earliest of the Asters; flowers of enormous size; plant strong and branching, requires no support; mixed colors. 10c.



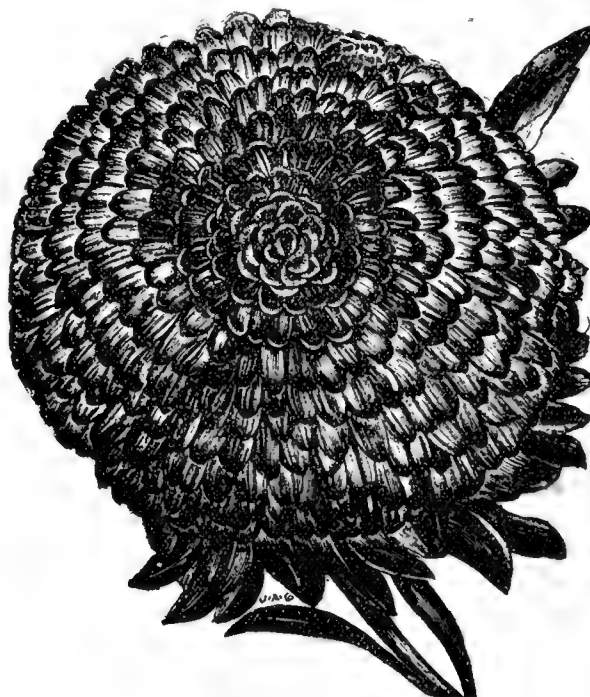
GLOBE PÆONY-FLOWERED ASTER.

Harlequin—A new dwarf variety of great beauty, with oddly streaked and blotched flowers; blooms very late and is valuable on that account; mixed colors. 15c.



HARLEQUIN ASTER.

New Victoria—Probably the finest variety for size, color and profusion of bloom, in cultivation. The colors include many extremely delicate and gorgeous shades. Flowers very double and about 4 inches across; mixed colors, 18 in. 15c.



NEW VICTORIA ASTER.



Early White Chrysanthemum-Flowered—Showy flowers, very double, finely imbricated, pure white; height 18 inches. 15c.

German—Flowers large and double; finely recurved like a rose; about 18 inches high; mixed all colors. 10c.

German Quilled—This is an improved strain; flowers are composed of tube or quill shaped petals—large double flowers of beautiful colors; height about 2 feet; mixed. 10c.

Imbriqué Pompon—Perfect in form of flowers and finely imbricated; mixed colors 10c.

May's Challenge—For description see list of specialties. Mixed colors. 25c

New Rose—Flowers large and double; the outer petals finely recurved and the inner ones incurved like a rose; extra choice mixed 2 feet. 10c

Snow White—Most beautiful variety, flowers pure white; height about 9 inches 10c.

Truffaut's Pæonia-Flowered Perfection—Very large beautiful flowers, petals long; brilliant in color and unsurpassed in habit of plant; height 18 inches to 2 feet.

Dark Scarlet	10
White	10
Brilliant Rose	10
Finest mixed	10



AGROSTEMMA.

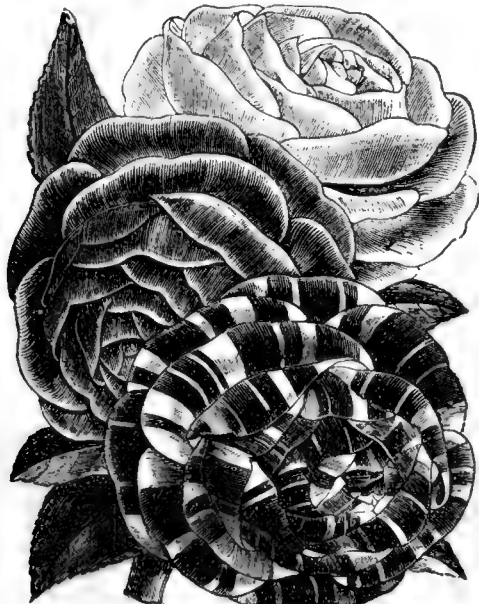
Agrostemma,

(Perennial.)

Very beautiful with flax like flowers; blooms profusely, very showy when grown in masses or as a border for tall plants; height 12 inches; mixed colors 5c.

Balsams.

"Lady's Slipper."—(Annual.)



Magnificent plants for garden culture, producing gorgeous masses of brilliant colored flowers. Flowers produced in great profusion and of all shades, 2 feet.

Rose-Flowered—The peculiarity of this variety is its perfectly double rose-like blossoms of every shade of color. 10c.

Crimson, Spotted White—10c.

White, Striped Red and Purple—10c.

Scarlet Mottled White—10c.

Solferino. White Striped and Spotted Red—10c.

Porcelain Blue—Shaded white. 10c.

Maiden's Blush—10c.

Rose—10c.

White—10c.

Scarlet—Extra fine. 10c.

White Perfection—The finest pure white grown. 15c.

Soft Rose—Shaded white. 10c.

Double Camellia Flowered—As double as a Camellia; perfect form; mixed colors. 10c.

All Colors Mixed—5c.



Balloon Vine.—(Annual.)

A rapid growing handsome summer climber, having small white flowers, which are followed by seed vessels, shaped like small balloons. Grows from 10 to 15 feet. 5c.

Bellis Perennis.—(Perennial.)



The old favorite double daisy, much improved with very double large flowers. In the spring and early summer this is a charming plant. The flowers are quilled and flat petaled. White, pink and variegated.

Double Quilled Mixed—This is a new strain which is very fine, the flowers of which are composed of perfectly round petals. 15c.

Longfellow—Double dark rose color and very pretty. 15c.

Bartonia.—(Annual.)

Aurea—A favorite half hardy annual of easy culture. Flowers of a bright golden color. 5c.



BARTONIA.



BRACHYCOME.

Brachycome.—(Half-Hardy Annual.)

A dwarf free bloomer, producing large single flowers all summer. Sometimes it is called the "Swan River Daisy." 5c.

NORTHERN GROWN SEEDS & PLANTS.



BIDENS.

Bidens.

Bidens Atrosanguinea—Large, very showy and free flowering. Color dark crimson, resembling the Double Dahlia. Height from two to three feet. 10c.

Browallia.—(Annual.)

Excellent free flowering, summer or winter blooming plants. Much used for borders during the summer months; two feet.

Browallia Elata Alba—White. 5c.

Browallia Elata—Blue. 5c.

Mixed—5c.



BROWALLIA.



BYRONOPSIS.

Bryonopsis.—(Annual.)

A beautiful summer climber, bearing green fruits, which change to bright scarlet, striped with white; ten feet. 5c.

Cacalia.—(Annual.)



CACALIA.

A showy plant of easy culture, producing beautiful scarlet and golden-yellow tassel-shaped blossoms, from July to October. It is sometimes known as Flora's Paint Brush. Looks best when grown in clusters. Succeeds best in a mixture of fresh loam and leaf mould. Sow early in spring, in open ground, in clusters. Hardy; 1½ feet. **Cacalia Mixed**—5c.

Calliopsis.—(Annual.)

A very showy border plant, producing flowers in rainbow colors. If the seed pods are removed as soon as they appear, the plant will remain in bloom much longer.

Calliopsis Marmorata—Crimson, mottled with yellow and brown; 1½ feet. 5c.

Dwarf Mixed—Height 8 inches. 5c.

Mixed—Height 2 feet. 5c.



CALLIOPSIS.

Calendula.—(Annual.)

Hardy annuals, free blooming and attractive, and growing well in almost all situations; height 1 foot.

Le Prouste—Nankeen color; fine. 5c.

Meteor—A new variety; very fine for pot culture, bearing large light yellow flowers, striped with bright orange. 5c.

Prince of Orange—It is a very marked improvement on the parent of the (Meteor) sort, the florets being striped with a more intense shade of orange, and this glowing tone is imparted to the whole flower. 5c.

Fine Mixed—5c.



CALENDULA.

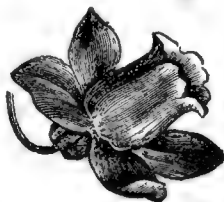
Campanula or Canterbury Bell.

(Perennial.)

Well known favorite, bearing large bell or saucer shaped flowers in profusion. Blue and white, commonly known as Bell Flower; 1 to three feet.

Mixed—5c.

Calycanthemum—A comparatively new variety of Campanula, with large semi-double flowers, resembling a cup and saucer. 10c.



Canary Bird Flower.—(Annual.)

An ornamental climber with yellow flowers in great abundance. Will grow 10 feet in one season. 5c.



CANARY BIRD FLOWER



COCKSCOMB.



Candytuft—(Annual.)



CANDYTUFF

and blooms profusely. New and splendid. Mixed colors, 10c.

Dunnett's Dark Crimson Very beautiful and attractive. 5c.
Fragrant—5c.

Beautiful hardy annuals, similar to Sweet Alyssum; flower much larger and stronger.

White—Height 1 foot. 5c.

Lilac—Height 1 foot. 5c.

Mixed—All colors; height 1 foot. 5c.

Tom Thumb—This is a dwarf variety, growing only 6 inches high

Chrysanthemum.

SINGLE ANNUAL VARIETIES.

Thrifty plants, producing quantities of large flowers. These single sorts are particularly attractive. Colors: crimson, gold, maroon, white, etc., making a brilliant display, which justifies their popular name "Painted Daisies." 12 to 18 inches high.

Chrysanthemum, Tricolor Mixed. 5c.

Lord Beaconsfield—Crimson maroon edged, with brown eye surrounded by a golden rim. 10c.

Eclipse—Golden yellow, scarlet ring, center a rich brown. 5c.

Sultan—Rich velvety crimson maroon, with yellow rim surrounding a brown center; very fine. 10c.



CHRYSANTHEMUM.

DOUBLE ANNUAL VARIETIES.

Chrysanthemum, Flore Plena Alba—Double white. 5c.

Flore Plena—Double yellow. 5c.

Mixed—All colors. 5c.

Celosia—"Cockscomb"—(Annual.)

Showy annuals with curious looking flowers, well adapted for the garden. Grown in pots, they are fine for the greenhouse or conservatory.

Celosia Cristata (Cockscomb) Crimson Giant—This is one of the largest and brightest of the common Cockscombs. 5c.

Celosia Plumosa, Crimson—Plants surmounted with long feathery plumes; exceedingly handsome; height 2 feet. 10c.

Celosia Plumosa, Yellow—Golden yellow; height 2 feet. 10c.

Celosia, Glasgow Prize—Very popular variety, and is undoubtedly the finest Celosia under cultivation. It is of dwarf habit, bearing large combs of a rich crimson color. 10c.

Centaurea—(Annual)

One of the finest annuals grown for cut flowers; blooms very prolific all summer, and is very commonly known as the national flower of Germany; height 1½ feet.

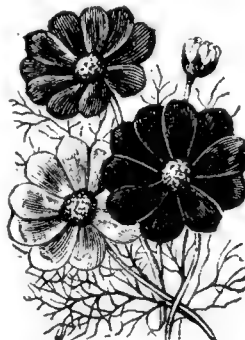
Centaurea Cyanus, White. 5c.

" " **Blue.** 5c.

" " **Rose.** 5c.

" " **Red.** 5c.

" " **Mixed.** 5c.



COSMOS.

COSMOS—(Annual.)

SINGLE VARIETIES.

Our new hybrids of this beautiful annual are among the most showy of all garden flowers. They grow to a height of four to six feet, and in September are covered with large flowers which resemble the single Dahlia. When planted in a group it is very attractive. The seed we offer is the finest mixed. 10c.

Gobœa—(Perennial.)

The Gobœa is a fine, rapid-growing climber, with handsome foliage and large, bell-shaped flowers, green at first but rapidly changing to a beautiful deep violet blue. Seeds should be started in hot-bed, or dry soil, early in open ground. Tender perennial; height 20 to 30 ft.

Gobœa Scandens—Flowers blue. 10c.

Gobœa Scandens Alba—Flowers white and rare. 25c.



CONVOLVULUS.



GOBŒA.

Convolvulus.

(Morning Glory—Annual.)

Free blooming, popular and beautiful climbing annual.

Major—Tall-growing, fine mixed. 5c.

Minor—Compact growing. Fine mixed. 5c.

NORTHERN GROWN SEEDS & PLANTS.

Collinsia—(Annual.)

Free-flowering annuals of great beauty for massing and mixed flower borders. 1 to 2 feet.

Collinsia Bicolor Alba White—5c.

Collinsia Bicolor Cameo Pink—5c.

Collinsia Bicolor Grandiflora Blue—5c.

Mixed—5c.

Cucumis—(Annual.)

Cucumis Flexuosus—(Snake Cucumber.)—Rapid summer growing climber with curious fruits 3 ft. long; 6 ft. high. 5c.

Cucumis—Hedge Hog Gourd. Good sized fruit with long spines; very showy. 5c.



CUCUMIS.

Cypress Vine.

(Annual.)

A most beautiful climber with delicate dark green feathery foliage, and an abundance of bright, star-shaped, rose, scarlet and white blossoms, which in the sunshine present a mass of beauty; 15 ft.

White..... 5c.
Scarlet..... 5c.
Mixed..... 5c.

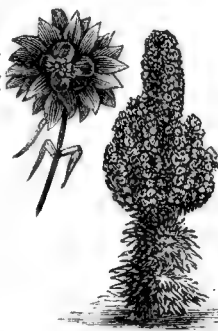
Delphinium—"Larkspur."

One of the most showy and useful plants, possessing almost every requisite for the adornment of the garden; the hardy perennials producing splendid spikes of flowers in profusion, throughout the summer. If sown early, they bloom the first year from seed. The hardy annuals are profuse bloomers and succeed best if sown in the autumn, or very early in the spring.

Delphinium Formosum—(Perennial.)—Rich blue and white; hardy, 3 ft. high. Flowers the first year. 5c.

Delphinium Hybridum—(Annual.)—Improved mixed. Saved from a collection of the finest mixed flowers. 5c.

Emperor—(Annual.)—Fine; the flowers are borne in compact spikes. Very brilliant colors, mixed. 10c.



DELPHINIUM.

Dianthus—(Pink.)

A magnificent genus, embracing some of the most popular flowers in cultivation, producing a great variety of brilliant colors, and a profusion of bloom. The delicacy and richness of the tints combined with the aromatic fragrance of many of the species are valuable recommendations for the entire family. The hardy biennial of Chinese and Japanese varieties blooms the first year, the same as the hardy annuals.



DIANTHUS.

Chinensis Fl. Pl.—(Double China Pink.)—This species is a biennial of dwarf habit; flowers the first year, but the bloom is stronger the second. The colors are very rich, and in large beds you hardly find two alike. Seed saved from double flowers will produce double ones; height 1 ft. 5c.

Laciniatus Fl. Pl.—(Double fringed Japan Pink.)—Large double showy flowers with fringed edges; mixed, various colors and beautifully striped; height 1 ft. 10c.

Diadematus—(Double Diadem Pink.)—This is of denser growth than the Heddwigii, and dwarfier habit. Very regular, densely double, and of all shades of color; height 1 ft. 10c.

Imperialis Fl. Pl.—(Double Imperial Pink.)—A superb double variety. All colors mixed; height 1 ft. 5c.

Nanus Fl. Pl.—(Double Japan Pink.)—Flowers very large and double. Nearly three inches in diameter; of various shades of the most brilliant colors; height 1 ft. 5c.

Mont Blanc—See specialties. Pkt. 25c.

Heddwigii—Flowers are very large and double, of various shades of brilliant colors almost unsurpassed. The seed which we offer is the finest mixed. 10c.

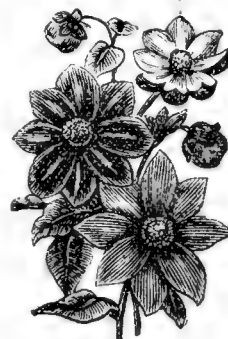
Dahlia—(Perennial.)

The Dahlia is well known, but few are aware that if the seed is sown early in the spring they will bloom the first year. The seed which we have to offer is of the finest strain, and produces magnificent flowers of large size and richest shades.

Single Mixed. 10c.

Finest Double Mixed. 15c.

May's New Dahlia, Striata. See Specialties. Packet, 25c.



DAHLIA.



DATURA.

Datura—(Annual.)

A large, strong growing hardy annual which possesses attractions of the highest order. In groups, or for border of shrubbery they are very attractive. Sometimes called the "Angel's Trumpets."

Fatua—Very large double flowers. 5c.

Wrightii—Lilac and white, flowers of large size. 5c.

Dolichos.

Hyacinth Bean—(Annual.)

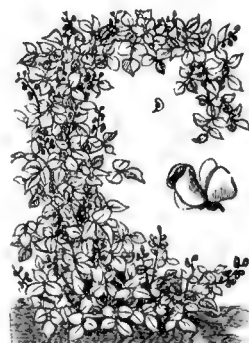
Splendid climber, with abundant clustered spikes of purple and white flowers, which are followed by exceedingly ornamental seed pods; of rapid growth. Plant where they are to remain, after the weather has become warm, and cultivate like common beans, only give support for the vines to run upon. Tender; 10 feet.

Dolichos Alba—White. 5c.

" **Purple**. 5c.

" **Gigantea**—Red. 5c.

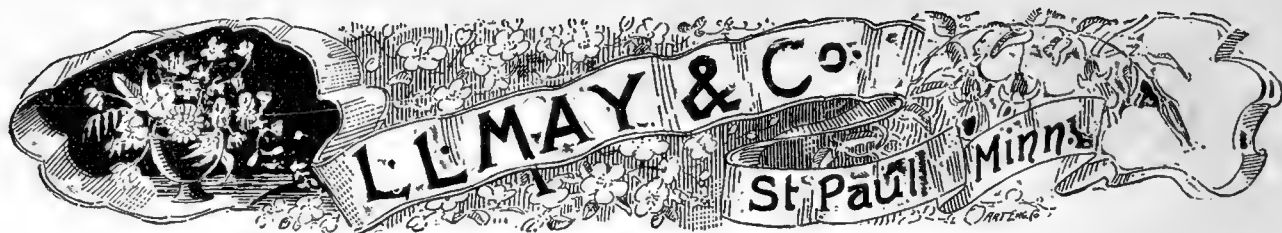
Mixed. 5c.



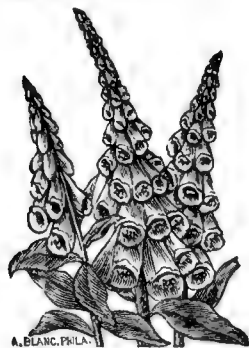
Digitalis—Foxglove. (Biennial.)

Ornamental plants of much beauty, producing dense spikes of flowers of many colors on stems 3 to 5 ft. high.

Digitalis Lanata—French white. 5c.



Digitals Lutea—Yellow. 5c.
Digitals Purpurea Alba—Pure white. 5c.
Digitals Rosea—Rose. 5c.
Mixed—5c.



A. BLANC, PAUL.
 DIGITALIS.



ESCHSCHOLTZIA.

Eschscholtzia.—“California Poppy.” (Annual.)

Very attractive plants for beds, edgings or masses; profuse bloomer, and fine cut foliage, in bloom from June till frost; height 1 foot.

Rose Cardinal—Single varieties. 5c.

Yellow Single—5c.

Double Mixed—10c.

Mandarin—The outside of the petals is a bright scarlet, while the interior is a bright orange. Very beautiful variety. 10c.



A. BLANC, PAUL.
 EUPHORBIA.

Euphorbia.

“Snow on the Mountain.”

(Annual)

Euphorbia Variegata—Foliage variegated green and white. Effective garden annual; height 2 feet. 5c.

Erysimum.—(Annual.)

A very showy free flowering hardy annual, sweet scented and nice for ribbon beds.

Peroffsklamen—Orange. 5c.

Fenzlia.—(Annual.)

A beautiful dwarf plant which flowers profusely the whole summer, making it desirable for small beds or borders.

Dianthiflora—Mixed. 15c.



FENZLIA.



GAILLARDIA.



GILIA.

Gilia.—(Annual.)

Dwarf free flowering plants, with clusters of small delicate flowers, desirable for cutting; height 6 inches to 1 foot.

Blue—5c.

White—5c.

Rose—5c.

Nana Compacta—Very dwarf growing variety. 5c.

All Colors Mixed—5c.

Tall Mixed—5c.

Dwarf Mixed—5c.

Glaucium Luteum.

(Perennial.)

Hardy plants with silvery white foliage, which is very effective for massing and ribbon beds. Flowers yellow. Height 1 to 2 feet—5c.

Gaillardia, “Blanket Flower.”

(Annual.)

Exceedingly showy; produces large flowers of scarlet, white and yellow, borne freely throughout the summer; height 1 to 2 feet.

Gaillardia Picta—One foot high; flowers creamy yellow. 5c.

Gaillardia Picta Lorenziana—Most beautiful and distinct in appearance; the flowers form into globular shaped heads, finely divided and fringed; the colors are various shades of deep crimson-buff, and golden yellow; it begins to flower very early, and continues until frost; handsome and ornamental; 2 feet. 10c.

May's New Hybrids—Packet 15c. See Specialties.

Godetia.—(Annual)

Beautiful garden plants, of easy cultivation in any good garden soil, and noted for the delicacy of their fine, large blossoms.

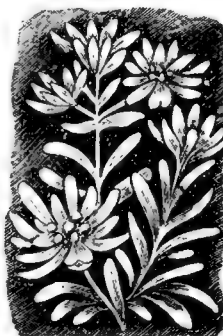
Duchess of Albany—Large white flowers. 5c.

The Bride—White, with crimson center. 5c.

Whitneyll Brilliant—A new dwarf variety with rich carmine flowers. 10c.

Mixed Colors—5c.

Beauty of St. Paul—See specialties. Pkt. 15c.



GNAPHALIUM-LEONTOPodium.



GODETIAS.

NORTHERN GROWN SEEDS & PLANTS.



GLOBE AMARANTH.

Globe Amaranth.

"Bachelor's Button."

(Annual.)

Everlasting flowers, very much used for winter bouquets; height 2 feet.

Alba—White. Especially prized for its pure white flowers. 5c.

Carnea—Flesh color. 5c.

Rubra—Red. 5c.

Variegata—Striped flowers of various colors. 5c.

Mixed—All colors. 5c.

Gnaphalium-Leontopodium.

(Edelweiss.)

This beautiful silvery white flower is found in the Alps of Switzerland. Sow the seed early in the Spring in a shallow box or pan filled with sand and leaf mould. Keep in a cool, damp place, and when the plants are large enough, transplant to a shady place in open ground—25c.



GOURDS.

Gourds.—(Annual.)

Summer climbers of exceedingly rapid growth, and luxuriant foliage, bearing ornamental and curious fruits, known as "Ornamental Gourds." Height 10 to 30 feet.

Bottle-Shaped—5c.

Hercules Club—Green fruits 2 to 5 feet long. 5c.

White, Egg-Shaped—5c.

Pear-Shaped, White and Green—5c.

Dish Rag—The interior of this variety is used for scouring. 5c.

Gypsophila.—(Perennial.)

Free flowering plants for borders and rockeries. Flowers borne in great numbers in loose graceful bunches; height 1 foot.

Elegans White—Splendid for cutting, and is dried for winter bouquets. Pure white. 5c.

Rosea—Charming dwarf plant with pink blossoms. 5c.



GYPHOPHILA.



HELICHRYSUM.

Helichrysum.—(Annual.)

Showy summer blooming plants. Flowers large, full and double, in shades of white yellow, crimson, etc. They are also valuable as "Everlastings" for winter bouquets; height 1 to 2 feet.

Lucidum Yellow—5c.

Monstrosum—Finest double mixed; extra large flowers. 10c.

Mixed—All colors. 5c.



HOLLYHOCK.



HUMNEA ELEGANS.

Humea.—(Perennial.)

Elegans—One of the most beautiful of all the plants for decorative purposes. Flowers forming a pyramid of red, grass-like florets, from 4 to 8 feet in height. 10c.

Hibiscus.



HIBISCUS.

A hardy plant bearing large-sized flowers of various shades.

Africanus—(Annual.) Flowers of a cream color with a deep brown center. 5c.

Palustris—(Perennial.) Large flowers of a light pink; very pretty. 5c.

Coccineus—This is probably the finest variety of this species of plants under cultivation. Flowers are of a brilliant scarlet, large and symmetrical; height 4 feet. 15c.



HYACINTH.

Humulus.

(Annual.)

Japonicus—(Japan Hop.) This handsome and rapid-growing climber is one of the finest plants for trellis and screen work. Insects do not bother it; Grows to a height of 20 or 30 feet. 15c.

Hyacinthus.

(Perennial.)

Hyacinthus Candicans
Cape Hyacinth—A most beautiful autumn blooming plant for flower beds or lawn decoration. The flowers are fragrant, 1 to 2 inches across, are creamy white, and borne on spikes four to five feet long, giving it the appearance of a monstrous Hyacinth; Height 4 to 6 ft 10c.



ICE PLANT.



IPOMOEA.

Ipomœa.—(Annual.)

Similar to the Morning Glory; of rapid growth; flowers of various colors; height 15 to 30 feet.

Coccinea—Scarlet. 5c.

Hederaceli—Ivy-leaved flowers; all colors. 5c.

Mixed—All colors. 5c.

Marmorata—A beautiful new variety with foliage striped and variegated; Flowers all shades. Mixed. 10c.

Noctiflora—This variety is more commonly known throughout the Northwest as the Moonflower. 10c.

Jacobœa.—(Annual.)

Dwarf summer blooming plants. Colors range through white, rose, violet and maroon; height 1 ft.

Double Mixed—5c.

Kaulfussia.—(Annual.)

Pretty, free flowering, hardy annuals with the appearance of single Asters. The plants make a low growth; only about six inches in height.

Mixed—5c.

Gourds, Loofa, Chinese.

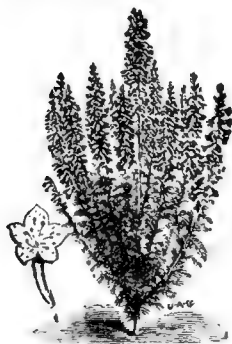
A valuable and highly interesting variety, with beautiful foliage and large golden flowers, followed with long green fruits, which renders it very attractive for screen and trellis work. Very rapid growing and requires no special cultivation. 10c.

Lupinus.—Sun Dial.

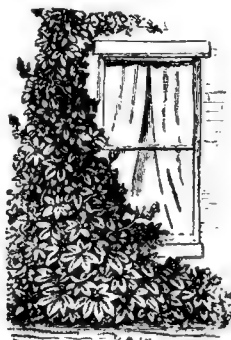
Very conspicuous plants with spikes of pea shaped flowers of various colors.

Mixed Annuals—5c.

Mixed Perennials—5c.



IPOMOPSIS.



HUMULUS.

Ipomopsis.—(Biennial.)

This free-flowering biennial, with its long spikes of bright orange and scarlet flowers, is very handsome. Start the seed under glass, and plants will begin to bloom in August. Soil should be rich and light.

Fine Mixed—5c.

Ice Plant.—(Annual.)

Trailing annual for vases, rockeries and beds. The leaves and stems are covered with little ice-like drops which glisten in the sun. Height 1/2 ft. 5c.



KAULFUSSIA.



LOBELIA.

NORTHERN GROWN SEEDS & PLANTS.

Lobelia.—(Annual.)

Plants of widely different styles of growth. Lobelia Erinus varieties are low growing, branching plants for hanging over vases and baskets. Lobelia Erinus Compacta varieties make little round, compact plants; fine for edgings, ribbon beds, etc.

Gracilis—Light blue, long, slender, trailing stems. 5c.

Gracilis Alba—White; trailing. 5c.

Erecta Alba—A new beautiful white sort of erect habit; height 6 to 12 inches. 5c.

Erecta Blue—Height 6 to 12 inches. 5c.

Cardinalis—A hardy perennial very fine for borders with its flowers of a bright scarlet. 10c.

Crystal Palace Compacta—This is the best variety grown for ribbon beds, edgings, etc., color a deep blue. 10c.

White Gem—The best dwarf white sort. 10c.

Paxtoniana—Probably the prettiest of all the Lobelias; very fine for vases, hanging baskets, etc. Color pure white edged with blue. 5c.



LUPINUS.



LYCHNIS CHALCEDONICA.

Lychnis Chalcedonica.—(Perennial.)

Showy herbaceous plant with dense heads of bright scarlet flowers; height 3 ft. 5c.



MIRABILIS.

Mirabilis.

"Four O'clock."—(Annual)

A very desirable annual, with bright foliage and fragrant flowers. Makes a nice summer hedge, if set in a row about a foot apart. Flowers open in the afternoon; hence the name "Four O'clock;" height 2 feet

Mixed—5c.

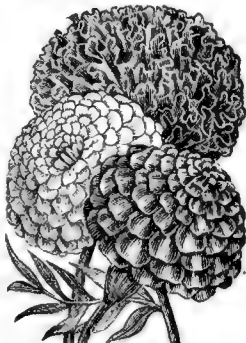
Marigold.—(Annual.)

Well known free flowering plants with handsome double flowers of rich and beautiful colors.

African Double—Selected from the finest double flowers; height 2 feet. 5c.

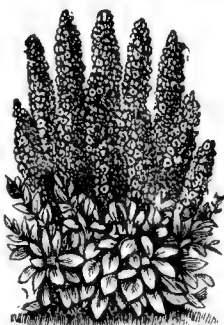
El Dorado—An improved strain, with immense flowers, exceedingly double and beautifully quilled. Lemon, orange and golden yellow shades; height 3 feet. 10c.

Double French Dwarf—Compact colors include in addition to yellows, rich velvety browns, and crimsons, beautifully striped and marked; height 1 foot. 5c.



MARIGOLD.

Mignonette.—(Annual.)



Well known plants for garden, pot or conservatory culture.

Machet—Dwarf French variety with broad spikes of very fragrant, red flowers; height 9 inches. 10c.

Parson's White—Nearly white; strongly scented; long well formed spikes; height 9 inches. 10c.

May's Spiral—See specialties. Per pkt. 15c.

Miles' Hybrid Spiral—Flowers white; very fragrant; spikes 8 to 12 inches long; plant dwarf and branching; splendid for either outside or pot culture. 10c.

Odorata—The common Sweet Mignonette; height 9 inches. 5c.



MIGNONETTE MACHET.

Mimulus Tigrinus.

"Monkey Flower."—(Perennial.)



Charming pot plants, also doing nicely if bedded out in the summer. The colorings and markings are rich in the extreme, ranging through velvety crimson, maroon, yellow, white and pink, spotted and blotched in a beautiful manner.

Duplex—Novel and beautiful; the flowers are borne in pairs,

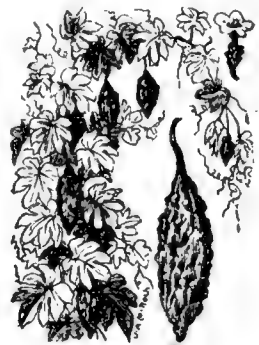
one protruding from the other; height 6 inches. 15c.

Moschatus—Foliage emits a powerful musky perfume; flowers yellow. 10c.

Mixed—Height 6 inches. 10c.



MYOSOTIS.



MOMORDICA.



MAIZE JAPAN.

Alba Flora Plena—New improved
Feverfew; double pure white. 10c.
Mixed—10c.

Maurandia.

(Annual.)

Delicate climbers for window or conservatories or for open ground in summer. Admirable to hang from vases, to cover stumps and low trellises; flowering freely, tender; height 6 to 10 ft.

Barclayana—Blue. 10c.
Mixed—Of red white and blue. 10c.



MAURANDIA.

Momordica.—(Annual.)

Trailing or low climbing half hardy annual. Fruit of a golden yellow color, and when ripe opens, disclosing a brilliant carmine interior. The fruit is sometimes used in curing wounds, cuts, bruises, etc.

Balsam Apple—5c.
Balsam Pear—5c.

Myosotis.

“Forget-me-not.”—(Perennial.)

The Forget-me-not is an old favorite plant, bearing clusters of star-shaped delicate blue flowers, with white and yellow eyes. It flourishes best in a moist, shady situation, and is in constant bloom nearly the whole season. Hardy. Height ½ foot.

Alpine Blue—10c.
Palustris—Flowers very large, dark blue. 10c.
Mixed—Pkt. 10c.



NIEREMBERGIA.



NIGELLA.

Maize Japan.

(Annual.)

Striped-leaved. An ornamental Corn, beautifully striped with green and white; fine for groups on lawns, or in sub-tropical beds; height 4 ft. 5c.

Matricaria.

(Annual.)

“Double White Feverfew,” producing numbers of double white flowers which are used principally for bouquets; height 1 to 2 ft.

Nicotiana.

“Tobacco Plant.”

(Annual.)

Affinis—Of all the varieties of Tobacco which are grown for their sweet scented flowers, this is the best. The plant is literally covered with large white star-shaped flowers, which after being cut will remain perfect for a week. 10c.

Nierembergia.

(Perennial.)

Neat bedding plants, flowering from June to October, with blueish white flowers; height about 1 foot. **Mixed**—10c.



NICOTIANA.

Nemophila.—(Annual.)

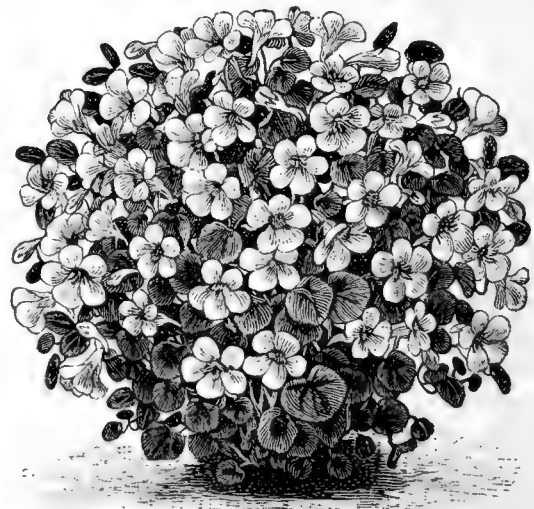


NEMOPHILA.

Dwarf growing annuals with a neat, compact habit of growth; splendid for beds; bright colored flowers marked and spotted in shades of blue, white and violet; height about 1 foot.

Mixed—5c.

Nasturtium.—(Annual.)



NASTURTium.

One of our showiest and most popular annuals. Elegant flowering plants for verandas, trellises, vases and beds. The colors are chiefly scarlet, crimson, maroon and yellow.

Tom Thumb—Scarlet, compact plants one foot high, making gorgeous masses of colors. 5c.

Tom Thumb, Mixed—Height 1 foot. 5c.

Empress of India—Brilliant crimson dark foliage, very effective; height 1 foot. 10c.

Majus Crimson—Tall growing variety; height 6 feet. 5c.

Majus Mixed—All colors; height 6 feet. 5c.

King Theodore—Tall growing with dark brown flowers. 10c.

King Theodore—Dwarf growing. 5c.

Rose—A new and bright color in the Nasturtium line. 5c.

NORTHERN GROWN SEEDS & PLANTS.

Nigella.

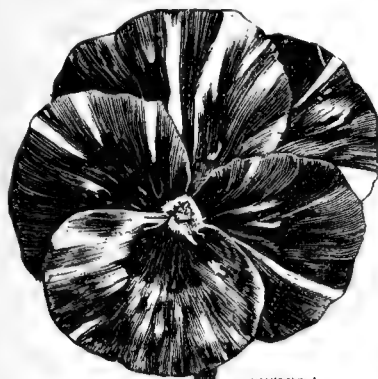
"Love in a Mist"—(Annual.)

Of easy growth, serrated foliage with curious looking flowers; height, 1 foot.

Double Mixed—5c.

Pansy.—(Perennial.)

Those lovely flowers are favorites with all, not only for the brilliancy and variety of the colors, but for the durability of their bloom; Seed may be sown in the open ground in spring or summer, or in hot-bed, early in spring. Young plants produce the largest and best flowers. The plants should always occupy a cool, partially shaded situation; the ground cannot be too rich. Coolness and moisture are necessary. Transplant when an inch high. Seed sown in July will blossom late in autumn; if sown in October will bloom the following spring; hardy; height 6 inches.



'A BLANC PHILA

STRIPED AND MOTTLED.

Odier—A beautiful strain; perfect in size and form of flower; containing many beautiful colors. Each of the five petals is marked with a large dark blotch; very effective. 20c.



ODIER.

Striped and Mottled—Extra and very showy. 10c.

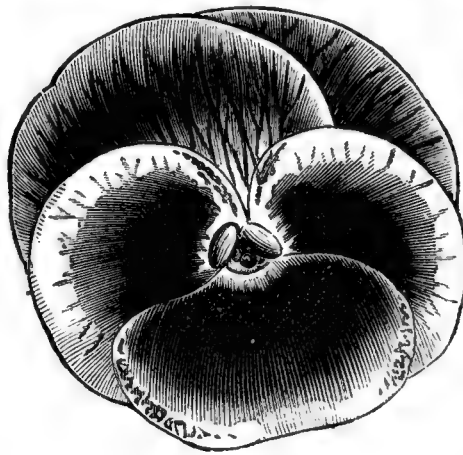
New German Show.

This new strain originated with the celebrated German specialist, and we have introduced it the first time in this country. As for size and coloring, they are without doubt the finest Pansies in existence. 25c.

May's 'Minnesota Gem' Collection—8 varieties, \$1. See Specialties.

May's Golden Queen—See Specialties. 25c.

Mahogany Colored—15c.



MAY'S EXTRA CHOICE.

May's Extra Choice—Very large flowered; blotched; saved from model flower exclusively—very rich and showy strain. 25c.



FRIMARDEAU.

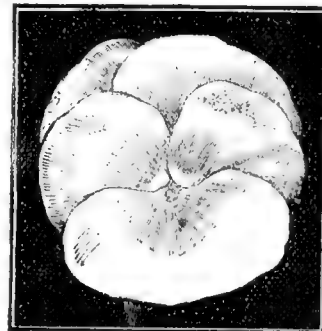
Snow Queen—Satin white. 15c.

Emperor William—Very dark blue. 15c.

Faust—King of the Blacks—Flowers of immense size and almost a coal black. 15c.

King of Yellows—Bright golden yellow. 10c.

Lord Beaconsfield—Flowers very large, of a dark purple, shading off in the top petals to a light color. Very attractive. 10c.



SNOW QUEEN.



Trimardeau or Giant—An entirely distinct and beautiful race, with flowers of the richest and most varied shades of color. The plants are of a vigorous and compact growth, and the flowers are each marked with three large blotches or spots. They are of fine form, and a size hitherto unattained in this genus—the largest of the Pansy family. 25c.

Violet—Rich violet color, with white border. Very attractive. 15c.

Finest Mixed—10c.

New Fancy Mixed—15c

Petunia. (Perennial.)

One of the best bedding plants for summer decoration. They flower early, and continue in bloom until killed by the frost.

They require a good compost and a sunny soil; height 1 to 2 feet.

GRANDIFLORA, OR LARGE FLOWERING SECTION.

Hybrida Grandiflora
Choicest mixed. 15c.

Hybrida Grandiflora
Fimbriata—Fringed varieties in splendid mixtures. 10c.

Intus Aurea—A new and immense flowering variety, with a yellow throat. Very attractive. 25c.

DOUBLE FLOWERING SECTION.

Grandiflora Fimbriata Fl. Pl.—This seed was saved from the finest collection of fringed Petunias in Europe, all carefully fecundated, and will produce a large proportion of charming double fringed flowers. 25c.

Double Mixed—25c.



PETUNIA.

Small Flowering Varieties—Suitable for bedding.

Inimitable—The flowers of this variety are striped and blotched, and of the most symmetrical shape. 10c.

Countess of Ellesmere—Delicate pink with white throat. 5c.

Fine Single Mixed—Striped and blotched. 5c.

May's Mam.—Single. Pkt. 25c. See Specialties.

May's Mam.—Double. Pkt. 50c. See Specialties.

Phlox Drummondii.—(Annual.)

Remarkable for the brilliancy and abundance of their large terminal flowers, completely hiding the foliage. The blossoms are of many colors, from pure white to deepest purple, eyed and striped. For masses of separate colors and for cuttings for bouquets, they are unsurpassed. The seed can be planted in open ground in autumn or spring, or plants may be started in hot beds and transplanted. Give good rich ground, and set plants ten inches apart each way; hardy. Height 1 foot.

Extra Choice Mixed—All colors. 5c.



PHLOX DRUMMONDII.

PHLOX DRUMMONDII GRANDIFLORA.

An improved strain, with very large perfectly round flowers, the petals overlapping each other.

Pure White—10c.

Pure Scarlet—10c.

Red, Striped White—10c.

Pure Rose—10c.

Pure Blood Red—10c.

Crimson, White Eye—10c.

Mixed—All colors. 10c.

NEW DWARF PHLOX.

Plants not over eight inches high, and one mass of flowers. Splendid for margins, low beds and pot culture.

Dwarf White—15c.

Dwarf Scarlet—15c.

Dwarf Mixed—15c

Portulaca.—(Annual.)

Low growing plants of easy culture, flowering throughout the summer. They delight in a sunny situation. Fine for massing in beds, rockwork or edging; height 6 inches

Aurantiaea—Golden. 5c.

Red Carnation—Striped. 5c.

Alba Flora—White. 5c.

Light Rose—5c.

Scarlet—5c.

Fine Mixed—All colors. 5c.

Double Splendid Mixed—20c.

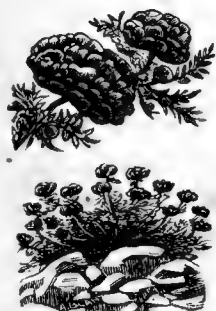
Pyrethrum—"Feverfew." (Perennial.)

A plant of easy culture, and in fact, one of the best in cultivation; height 6 inches.

Aureum—Bright yellow foliage. 10c.

Laciniatus—Fern-leaved, yellow foliage, finely fringed. 10c.

NORTHERN GROWN SEEDS & PLANTS.



PORTULACA.



PYRETHRUM.

Poppy.—(Annual.)

A showy, and easily cultivated hardy annual, with large brilliant colored flowers, growing freely in any garden soil, and producing a fine effect in large clumps or mixed beds.

Double Crimson King—Height 1 ft. 5c.

Snowdrift—This charming new Poppy produces pure snowy white, extremely double flowers of perfect form and large size. The habit of growth is very neat and compact, and we have in this variety a most valuable acquisition; height 2 ft. 10c.

Mikado—See specialties. 15c.

Japanese—These most charming Poppies produce small, but very double flowers in great profusion; are exceedingly showy, and present a wide range of gay colors. 15c.

Pæonia-Flowered—Mixed. 5c.

SINGLE.

Danebrog—Single poppy with flowers of a brilliant scarlet, bearing a silvery white spot on each of the four petals; height 1 ft. 5c.

Umbrosam—Rich vermillion, with a black spot on each petal; height 1½ ft. 5c.

English—Dwarf mixed; height 1 ft. 5c.

English—Tall mixed; height 2 ft. 5c.

Ricinus.—(Annual)

The Castor Oil Beans are free growing, tender annuals, very ornamental and quite tropical in appearance when planted singly on lawns; also much used for centres of sub-tropical beds.

Borboniensis Arboreus—Immense green foliage; height 15 ft. 5c.

Communis Major—Green foliage scarlet flowers, the true "Castor Oil Bean;" height 6 ft. 5c.

Communis Minor—Dwarf growing variety with scarlet flowers; height 5 ft. 5c.

Sanguineus—A distinct variety with beautiful brownish red foliage. Very effective, height 6 ft. 5c.

Salpiglossis.—(Annual.)

A beautiful half hardy annual with large flowers of peculiar richness, very delicately penciled. It is a flower that will please every one. In shape and size it resembles the Petunia.

Mixed Colors—5c.

Schizanthus.—(Annual.)

Few of the half hardy annuals are more attractive than these. Flowers of all shades and colors; in shape they resemble little butterflies. It is a flower that will please all, and should be more generally grown.

Mixed Colors—5c.

Salvia.—(Perennial.)

Sage plants are well known for their brilliant colors, and no plants can be finer for bedding. They are easily grown, free flowering, and showy; height 1 to 3 ft.

Splendens—Brilliant scarlet; height 3 ft. 10c.

Coccinea—Deep crimson; height 8 inches. 5c.

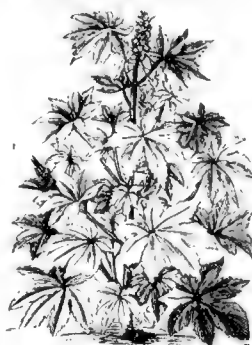
Silene—"Catch-fly."

(Annual.)

An easily grown free flowering plant, producing dense umbels of blossoms. The plant is covered with a glutinous moisture, from which flies cannot disengage themselves; hence the name "Catchfly"; height 1 ft.

Double Rose—Fine for massing. 10c.

Mixed—All colors. 5c.



RICINUS.



SALPIGLOSSIS.

Scabiosa.

"Mourning Bride."—(Annual.)

One of the handsomest summer plants, with beautiful variegated flowers, and valuable for bouquets, etc.; also a nice border plant.

Mixed Colors, Dwarf—5c.

Mixed Colors, Tall 5c.



SILENE.



SOLANUM.



SWEET PEA

Sweet Peas.—(Annual.)

No praise is needed for these lovely, deliciously perfumed climbers, further than to state, that they have become unusually popular in the last year or two, which is no doubt owing to the charming new large flowering varieties that have been introduced lately. They are now the "Fashionable Flower," and little bunches of them worn, carried or in vases are seen continually; hardy Height 4 to 6 feet.

Invincible—Crimson. 5c.
Invincible—Scarlet. 5c.
Gem—Red and white. 5c.
Choice Mixed—All colors. 5c.
Purple Striped—5c.
Eckford's—See specialties. 15c.
Gem Collection of Eckford's Sweet Peas—See specialties.

Adonis—Beautiful Carmine. 5c.
Princess Beatrice—New Rose. 5c.
White Perfection—Pure White. 5c.
Tricolor—Red, white and lilac. 5c.
Butterfly—White, tinted lilac. 5c.
Painted Lady—White and rose. 5c.



SWEET WILLIAM.

Sweet William.

(Perennial.)

Hardy plants of extreme richness and variety of color, and also deliciously sweet scented. For clumps or borders no plant can surpass this old favorite. It is greatly improved now, both in size and colors; height 1½ feet.

Single Mixed—All colors.—5c.
Dwarf Mixed—All colors. 5c.

Solanum.

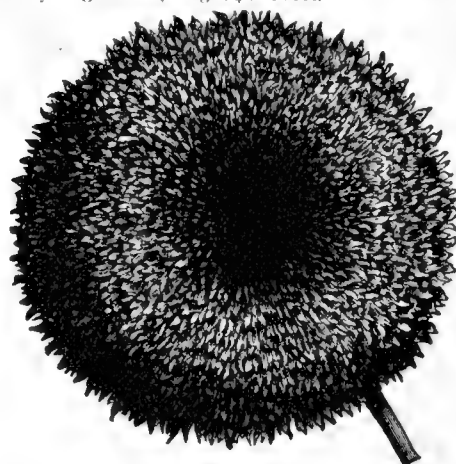
(Annual.)

The well known "Jerusalem Cherry," well adapted for garden or pot culture, bearing numerous little red fruits, which remain on for a very long time, and look very ornamental; height 1½ ft.

Capsicum—Jerusalem Cherry. 5c.

Sunflower.—(Annual.)

Stately growing plants with immense golden yellow flowers. The single varieties are well known; but the double sorts are not. They are perfectly magnificent; height 4 to 8 feet.



SUNFLOWER.

Russian Giant—The largest sunflower grown. 5c.
Californica Fl. Pl.—Tall double sunflower. 5c.
Nanus Fl. Pl.—Dwarf double, extra large flowers. 5c.
Nanus Foliis—Flowers same as preceding; the foliage is beautifully variegated; new 5c.
Oscar Wilde—Flowers not very large; color orange and black. 5c.

Stocks.—(Annual.)

The Ten Weeks Stock, "Stock Gilly," or "Gilly Flower," as they are sometimes called, stands pre-eminent among annuals for either flower beds, pot culture, cut flowers, or delicious spicy perfume; they have been greatly improved in the past few years, and a large flowering strain has been originated which for size, doubleness and variety of exquisite shades of color, is remarkable; height 1 foot.

Large Flowering double Dwarf—10c.
Wall-Flower Leaved, Mixed—15c.
Yellow—10c.
Light Blue—10c.

Snowflake—15c.
White—10c.
Crimson—10c.
Mixed—All colors. 10

NORTHERN GROWN SEEDS & PLANTS.



TORENIA.

Thunbergia.—(Annual.)

Rapid climbers for greenhouse or garden; very free flowering.
Choice Mixed—All colors. 5c. **Alata**—Buff, white eye. 5c.
Bakeri—Pure white. 5c. **Alba**—White, black eye. 5c.
Aurantia—Orange, dark eye. 5c.

Torenia.—(Annual.)

Most beautiful plants of trailing habit; excellent for house culture, suspended baskets, and the open ground. They produce flowers in great profusion, and are worthy of general cultivation; height 8 inches.

Fournieri—An elegant border plant in moist, partially shaded situation. Flowers porcelain blue, and rich violet, throat bright yellow; height six inches. 15c.

Balloni—Deep yellow and maroon; height 6 inches. 15c.

Verbena.—(Annual.)

Well known garden plants. Very few annuals will make the gorgeous display during the summer months, or furnish more flowers for cutting than the Verbena.

Choice Mixed—10c.

Candidissima—Pure white flowers. 15c.

Coccinea—All shades of scarlet; very pretty. 10c.



ZINNIA.

Hybrida Blue—Extra fine seed. 15c.

May's Mammoth—See Specialties. 20c.

Italian Striped—Flowers very fine and striped. New and novel variety. 15c.

Vinca.—(Perennial.)

Handsome, free flowering plant; will blossom from seed the first season if sown early.

Rosea—Rose; crimson eye. 10c. **Pura**—Pure white; no eye. 10c.

Alba—White; crimson eye; 10c. **Mixed Colors**—10c.

Wallflower.—(Perennial.)

Well known favorites. The large massive spikes of the Wallflower are very conspicuous in beds or borders, and are very useful in making bouquets. Flowers very fragrant.

Single Mixed—10c.

Zinnia.—(Annual.)

Fine bedding and border plants, blooming long and abundantly. Beds of these are greatly admired. The colors are varied and bright, and the plants easily grown. Should be more extensively cultivated, as the varieties have been much improved of late. Hardy; height from 1½ to 2½ ft.

Elegans—Tall growing variety. 5c.

Mixed—All colors. 5c. **Dwarf Mixed**. All colors. 5c.

Elegans—Double Dwarf, mixed colors. 10c.

Elegans—Scarlet; Double Dwarf. 10c.

Liliputian—Small, compact long, cone shaped flowers, very pretty. Mixed; all colors, 10c.

New Giant Zinnia.

A new and distinct strain differing from the older varieties, being more luxuriant and robust. The flowers are larger and more conical shaped, being broader and having many more petals. They make a handsome bush 3 ft. in height, and the large perfectly formed double flowers measuring 5 to 6 inches across, are borne in uninterrupted succession on strong, slender stems and well displayed above the foliage. The flowers are most intense and brilliant colors and comprise several new and rich hues. It is particularly attractive for large groups or flower borders.

Mixed Colors—15c.

FLOWER SEEDS IN ASSORTMENTS.

The following assortments are principally imported from Europe. They are sold in original packages only. Each variety or color separate in the package. No parts of assortments can be made.

	Colors.	Pkt.
ASTERS. Finest Quilled.	18	\$1.00
" "	10	60
" Truffaut's Pæony Perfection	12	1.00
" Victoria	12	1.00
" Giant Emperor	12	1.00
" Cocardeau, or Crown	6	50
" Coliath	6	50
BALSAM. Improved Double Camellia	6	1.00
" Very Fine Double Camellia	6	50
" Double Rose Flowered	12	1.00
CARNATION. From the finest selection	12	1.00
CELOSIA. Dwarf Coxcomb	6	50
DAHLIA. Single. 12 varieties.	1.00	
HELIOTROPE. 6 varieties	40	
HOLLYHOCKS. Double.	12	1.00
MARIGOLD	10	40
MARVEL OF PERU. (Four O'clock) 12 varieties.	50	
MIGNONETTE	10	50
PETUNIA. Large flowering, single varieties.	12	1.00

	Colors.	Pkt.
PETUNIA. Extra Double. Fringed varieties.	12	1.25
PHLOX DRUMMONDI.	12	75
" Grandiflora. Large flowering.	12	1.00
" Nana Compacta. Dwarf.	6	75
PINKS. Chinensis and Heddewigii.	12	60
PORTULACA. New Double.	8	60
POPPY. Pæony-Flowered	12	50
" Oriental. Perennial, 8 varieties.	50	
PRIMULA SINENSIS. Fringed single.	12	1.25
" Fringed Single	6	75
" Double Flowering	6	1.25
STOCKS. Large flowered Ten-week.	12	75
" Perpetual Flowering	6	40
SWEET PEAS.	10	40
" 6 sorts, 1 oz. of each.	1.00	
VERBENA	6	60
WALLFLOWER. Choice Double.	12	1.00
" Choice Single.	6	40
ZINNIA ELEGANS. New Dwarf, double.	6	50

FLOWER SEEDS IN COLLECTIONS.

For the accommodation of those who are unacquainted with the varieties, we have put up the following collections of desirable, free-blooming and showy kinds for general garden culture. No parts of collections made.

No. 1. Collection of 12 annuals, free bloomers	\$ 50	No. 4. Collection of 12 new and rare annual varieties.	\$2.00
No. 2. Collection of 25 annuals, free bloomers	1.00	No. 5. Collection of 25 biennials and perennials.	1.00
No. 3. Collection of 12 very choice annual varieties.	1.00	No. 6. Collection of 100 annuals, biennials and perennials.	5.00



CUT FLOWER DEPARTMENT.

TELEGRAPH ORDERS PROMPTLY ATTENDED TO. ALL DESIGNS FURNISHED AT SHORT NOTICE.

BOUQUETS, BASKETS.

Flowers for Weddings, Parties, Funerals, &c., in most approved manner, and we guarantee their safe arrival when the time does not exceed three days in transportation.

ORDERS—When you order by letter, name the article you want and the price you wish to pay for same. The name of price includes everything except express charges. If time does not allow to order by mail, telegraph us, naming time when article must reach destination. Always give full directions.

CUT FLOWERS.

Prices vary, according to season of year when ordered.

ROSE BUDS.		Per Doz.	Per Doz.
The Bride —Pure white		\$1.00 to	\$3.00
Wm. F. Bennett —Brilliant crimson.....		1.00 to	3.00
Am. Beauty —Deep pink.....		2.50 to	6.00
Perle des Jardins —Rich yellow.....		1.00 to	2.50
Niphetos —White.....		1.00 to	2.50
Catherine Mermet —Rosy pink.....		1.00 to	3.00
Puritan —White.....		2.50 to	6.00
La France —Silvery rose.....		1.50 to	4.00
Mad. De Watteville —Light pink.....		1.50 to	3.00
Mad. Cusin —Pink.....		1.00 to	2.50
Meteor —Dark velvety red.....		1.50 to	5.00
Souv. de Wooten —Red.....		1.50 to	3.00
CARNATIONS.			
Fancy Long Stems	50 to	75	
Common Long Stems	25 to	50	
Short	25 to	35	
MISCELLANEOUS.			
Bouvardia (Oct. to April)		50	
Chrysanthemums (Oct. to Dec.)	25 to	50	
Heliotrope		40	
Daisies (Marguerites)		25	
Lilium Harrisii (Dec. to May).....		2.00 to	4.00
Lilium Candidum (April to May).....			1.50
Lily of the Valley (Dec. to April).....			1.00
Hyacinthes (Dec. to April).....			1.00
Narcissus (Dec. to April).....			1.00
Tulips (Dec. to April).....			1.00
Freesia (Dec. to Feb.).....			1.50
Callas (Dec. to May).....	each 25c.		2.50
BOXES , with assortment of flowers suitable for a present, \$3 to \$10 per box.			
Bridal Bouquets —All white, from \$3 to \$10 each.			
Bridesmaids' Bouquets —Assortment of flowers, from \$3 to \$8 each.			
Hand Bouquets —Assortment of flowers from \$2 to \$10 each.			
Corsage Bouquets —For ladies, tastefully arranged, from \$1 to \$5 each.			
Boutonniers —For gentlemen, any color, from 15 to 50 cents each.			
BASKETS of flowers tastefully arranged, round or oval, \$3 to \$30 each.			
Baskets in many different styles, from \$3 to \$20 each.			
Designs for tables, parties, &c., price on application.			
Smilax , for decorating, from 25 to 50c. per string, and \$2 to \$5 per doz. strings.			

FUNERAL DESIGNS.

Any size or style can be furnished at short notice. Below are the kinds mostly used.

PRICES OF DESIGNS FILLED		from \$2.00 to \$10.00 each
Wreaths		
Crosses		2.00 to 20.00 "
Lyres		3.00 to 10.00 "
Anchors		3.00 to 10.00 "
Harps		3.00 to 10.00 "
Stars		2.00 to 5.00 "
Maltese Crosses		3.00 to 10.00 "
Square and Compass		5.00 to 10.00 "
Bibles and Pillows		5.00 to 25.00 "
Broken Columns		5.00 to 20.00 "
Gates Ajar		10.00 to 50.00 "

All the designs can be furnished standing, reclining or flat.





PLANT DEPARTMENT.

A Record Unequalled in the United States.

Three years ago, feeling assured from repeated inquiries regarding plants, that a good reliable Floral Establishment was needed in this great Northwestern Territory, we erected (in connection with other branches,) seven large Greenhouses, feeling assured the quantity of plants which could be produced from this extensive area of glass would be ample to meet the wants of our patrons for some time to come.

To show our customers how much we miscalculated, we would add our business increased beyond our most sanguine anticipations and we were compelled from the rapid increase of our orders to add the second year four more large greenhouses, mainly adapted to the growth of Roses alone. The second year the increase was so marked we were compelled the past summer to erect two more large greenhouses, one of which is 165 feet long and 23 feet wide, being the largest in the northwest.

To give our customers an idea of the magnitude of our establishment, our greenhouses alone cover an area of over **one and one-half acres** (to say nothing of a large number of frames,) which is entirely devoted to the growing of cut flowers, plants, etc. On page two of cover will be found a bird's-eye-view of our conservatories, grounds, and wholesale seed warehouse.

Our Greenhouses are heated by steam, and fitted up with every modern appliance, so that they are easily graded to any temperature and thus the most perfect health and vigor is given to the plants. They are the most extensive in the Northwest, and involve an expenditure of over \$40,000.

In Plants, as in seeds, we aim only to offer the best. How often is it the case that plants and seeds are shipped from the south and east which are not adapted to the seasons of our Northwest. Not only are they small and inferior, but entirely unfit for our climate. We know by long experience, the requirements for our section, and we would respectfully ask a careful perusal of our Catalogue.

One very important point is that our growing seasons in the Northwest are short, and therefore it is *absolutely necessary* that customers should receive good, large plants at the time of ordering, and not be forced to wait until fall before they realize anything like satisfactory results in the way of flowers.

The plants which we offer are not the small rooted cuttings which are offered by eastern firms at low rates, and sent through the mails, but they are well established, and in the best possible shape. Therefore, we respectfully call the attention of our patrons to consider the quality before the price.

With our unequalled facilities for production, we can compete with any on the matter of price, but we do not pretend to compete in price with small, inferior plants, which are unfit for use. (They are dear at any price.)

A personal inspection of our Greenhouses, Wholesale Seed Warehouses, Como avenue, or our Retail Seed and Cut Flower Store, No. 5 West Third street, will convince all of the high quality of our plants, and a most casual comparison, show our prices are the very lowest.

PACKING AND SHIPPING.

Our system of packing and shipping is very complete. *There is, however, always a little risk in sending plants by mail.* All plants are sent by express at the expense of the purchaser, unless specially ordered otherwise, or when in our judgment the expressage would be too costly. We earnestly advise our customers to have their plants always sent by express, except when the express charges are very high, as our system of light packing makes the charges comparatively low.

St. Paul is a large railroad center; all the prominent express companies do business here, and rates are quite nominal. As it is much more difficult to pack a single plant, so that it will carry safely, than a larger number, we trust our customers will order accordingly. For economy and safety in packing it is best to order at least one dollar's worth of plants.

PACKING AND PACKAGES FREE.

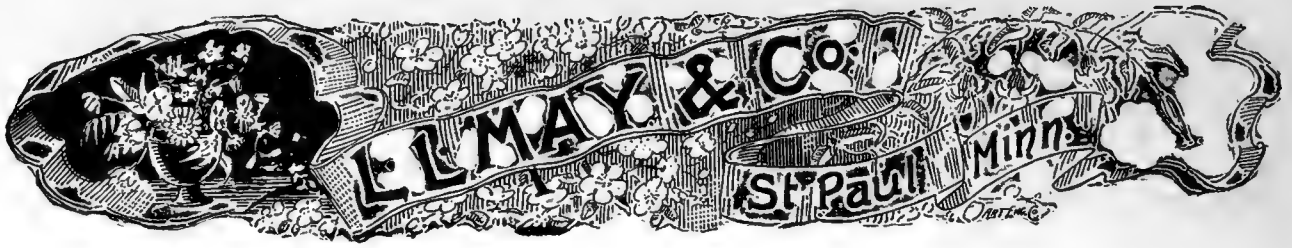
We make no charge for packing or for material used in packing, such as boxes, baskets, etc., at prices herein named.

PLANTS BY MAIL.

We pay all postage at rates named in the catalogue. But more plants for the same amount can be sent by express than by mail, and in all orders sent by express extra plants are always included, which are of more value than the cost of expressage.

TREATMENT OF PLANTS WHEN RECEIVED.

When plants are sent by mail nearly all the soil is shaken off, to lighten the package. If it is the season when they can be planted outdoors, the ground should be first well dug up and pulverized; the plants when set out should be well firmed about the roots, copiously watered once only when planted, and shaded for two or three days when the sun is out. No further watering should be done, but a mulch of moss, manure or leaves around the roots, would be beneficial.



FIRM THE SOIL WITH YOUR FEET.

In setting out plants in the open ground, it is first necessary to dig up the ground thoroughly, and after they have been put in place by hand, moderately firm the soil above and close around the plant with the feet. This "firming" of the soil prevents the air from reaching and shriveling up the tender roots, and the plant never fails to grow vigorously. The neglect of this simple operation causes the loss of thousands of plants annually.

WATER.

If practicable, give plants one good soaking after planting in the open ground, which will be all they will require, unless in the case of long continued dry weather, when, if again necessary, the watering must be thorough—sprinkling is of little, or no use.

SOIL.

Have this in proper condition, neither too wet nor too dry. If too wet, it will bake and the roots will not penetrate it; if dry, like dust, you cannot place with that firmness which it requires. Suitable compost for nearly all plants is composed of three-fourths turfy loam, equal parts of cow manure and leaf mold added; mix well together, and it is ready for use, and suited for Roses, Geraniums, Fuschias, Heliotropes, Verbenas, Pansies, and all free growing plants. Turfy loam is the top sod from old pastures, well rotted; leaf mold is decayed leaves which you can get from the woods.

Premiums and Favorable Club Terms.

To purchasers of plants from this Catalogue (except from low priced list and special collections) we offer the following:

PREMIUM No. 1,

is given with an order of **ONE DOLLAR**. Your choice of either of the three new Roses: Meteor, Souv. de Wooten, Mad. Cusin.

PREMIUM No. 2,

is given with an order of **TWO DOLLARS**. Your choice of either one of the three new Roses and one of the new Chrysanthemums: Mrs. Hardy, Mrs. Carnegie, and Mrs. W. K. Harris.

PREMIUM No. 3,

is given with an order of **THREE DOLLARS**. Two of the new Roses and two new Chrysanthemums, purchaser's selection.

PREMIUM No. 4,

is given with an order of **FIVE DOLLARS**. - **THE THREE NEW ROSES AND THREE NEW CHRYSANTHEMUMS.**

Those who do not desire to avail themselves of the above Premiums can select from our Catalogue as follows:

For \$1.00 cash, plants to the value of \$1.10 can be selected.

" 3.00	" "	" 3.50	" "
" 5.00	" "	" 6.00	" "

For \$2.00 cash, plants to the value of \$2.25 can be selected.

" 4.00	" "	" 4.75	" "
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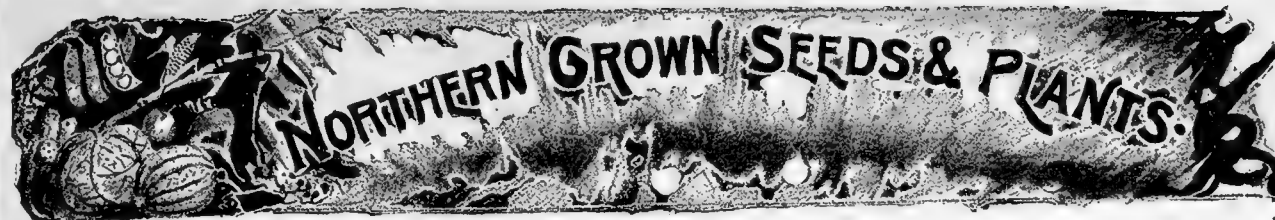
Orders over \$5.00, for each dollar's worth 20 cents additional.

These discounts do not apply to the Low Rate and Special Collections, as the prices there are already as low as good stock can be sold for.

For \$1.00 we will send, free by Mail, or by express, on terms at bottom of this list, any one of the following collections:

- 8 Abutilons, orange, crimson, etc.
- 12 Ageratums, white, dark violet, blue, rose, etc.
- 12 Alternantheras, varieties for edging, etc.
- 12 Achyranthus, crimson, violet and yellow leaves.
- 8 Begonias, scarlet, orange, white, rose, crimson, etc.
- 5 Begonia Rex, ornamental foliage.
- 12 Coleus, bedding varieties.
- 8 Carnations, crimson, scarlet, variegated, etc.
- 8 Chrysanthemums, small, assorted colors.
- 8 Chrysanthemums, Japanese, assorted colors.
- 8 Chrysanthemums, Chinese, assorted colors.
- 5 Callas.
- 6 Dahlias, large flowering, all colors.
- 2 Dracenas, green and variegated.
- 6 Ferns, best for house culture.
- 8 Fuchsias, all colors, double and single.
- 12 Geraniums, Single, the finest of our collection.

- 12 Geraniums, Double, the finest of our collection.
- 12 Geraniums. Scented, the finest of our collection.
- 16 Gladiolus, summer flowering.
- 12 Heliotropes, colors all shades of purple, violet, etc.
- 5 Hibiscus, assorted.
- 5 Hydrangeas, assorted.
- 10 Lantanas, white, orange, pink, crimson, etc.
- 12 Lobellias, ever-blooming, blue, white and lavender.
- 6 Passifloras, assorted.
- 20 Pansies, assorted colors.
- 8 Petunias, double, assorted colors.
- 8 Phlox, hardy, assorted colors.
- 8 Salvias, colors blue, scarlet, crimson, white and rose.
- 8 Tradescanteas, assorted.
- 12 Tropaeolums, orange, maroon, scarlet, rose, etc.
- 8 Tuberose, Pearl.
- 15 Verbenas, very finest kinds.



No order is filled for less than one dollar, but we allow buyers to **halve** collections if they desire it; for example, we will send six Ageratums and four Abutilons for \$1.00, but no further divisions of the collections will be made. Although it is a convenience to have plants sent by mail, to places where there is no express office, yet in all cases where plants can be sent by express, we always advise them so sent, for not only are we enabled to sell much cheaper, but larger plants can be sent, and they invariably arrive in better condition. We therefore offer the above collections to be sent by express, **buyer to pay charges**, at the following exceedingly low rates: 3 collections for \$2.00; 5 for \$3.00; 9 for \$5.00; 12 for \$6.00; 21 for \$10.00, sufficient to stock a conservatory or garden.

One Dollar Collections of Plants.

As many of our customers find it somewhat difficult to select from the descriptions only a suitable list of plants for certain purposes, we have in response to numerous inquiries, made a careful selection of the many plants offered, and formed the following collections which we think will in every way answer all purposes required.

12 Plants for House or Indoor Culture.

- | | | | |
|--------------------------|--------------------------------|----------------------|-----------------|
| 1 Begonia, Weltoinensis. | 1 Begonia, Sutton's Perfection | 1 Hibiscus, Single. | 1 Ivy Geranium. |
| 1 Heliotrope. | 1 Begonia, Saundersonii. | 1 Calia. | 1 Marguerite. |
| 1 Abutilon. | 1 Fuchsia. | 1 Impatiens Sultana. | 1 Vinca. |

12 Plants for Outdoor Culture

- | | | | |
|--------------------|------------------------|-------------------|---------------------------|
| 1 Salvia. | 1 Lantana. | 1 Geranium, Pink. | 1 Helianthus multiflorus. |
| 1 Petunia, Double. | 1 Authensis coronaria. | 1 " Scarlet. | 1 Fever Few. |
| 1 Geranium, White. | 1 Ageratum. | 1 Coleus. | 1 Verbena. |

12 Plants with Variegated Foliage, for Circle Bed.

- | | |
|---|---|
| 2 Coleus, different varieties—for center. | 2 Mesembryanthemum, different varieties—for outer edge. |
| 2 Achyranthus " " " " | 2 Alyssum "The Gem" " " " " |
| 2 Alternanthera " " outer edge. | 2 Centaurea. " " " " |

12 Plants for Basket or Vase.

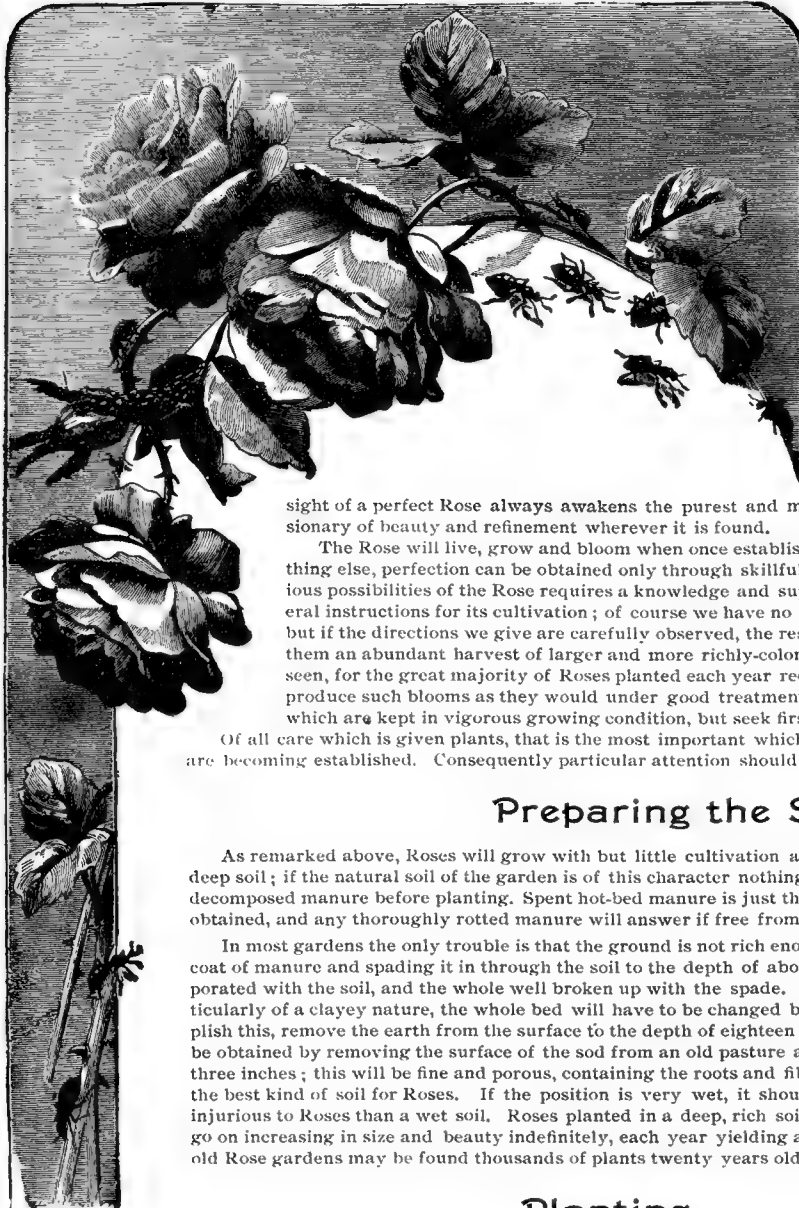
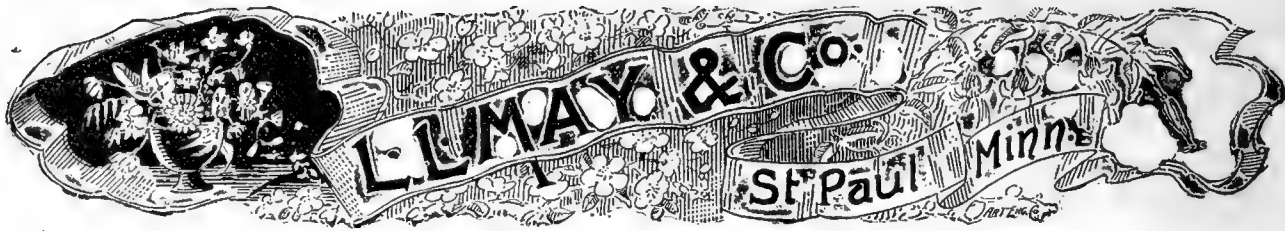
15 Inches Diameter or Window Box 3 feet Long and One foot Wide.

- | | |
|---|--|
| 1 Canna for center of Vase, or back of Box. | 1 Vinca, variegated foliage, trailing, for outer edge, |
| 1 Cocoloba " " " " | 1 Glecoma Hederacea, var. " " " " |
| 1 Cyperus Alternifolius " " " " | 1 Lobelia, flowering " " " " |
| 1 Coleus " " " " | 1 Tradescantia, var. foliage " " " " |
| 1 Impatiens Sultana " " " " | 1 Kenilworth Ivy " " " " |
| 1 Begonia, flowering " " " " | 1 Cruel Plant, white flowers " " " " |

Price—Any one of the above collections, One Dollar each.
" " three " " " \$2.50.

Any two of the above collections, \$1.75.
Or the entire four collections for 3.00.





ROSES.

In all the wide domain of Flora the Rose stands pre-eminent—the beautiful Queen of Flowers. It possesses and unites in one charming whole all those features which singly characterize our other popular flowers; beauty and variety of form, rich colors and delicate tints, with the most delightful perfumes. It is withal adapted to such a wide range of climate, from the sunny South where the ever-blooming Teas delight the eye with a never-ceasing display of of delicately-tinted and perfumed blossoms, to the far North, where each returning season brings forth a glorious burst of deep and richly colored blooms, with their powerful and delicious odors. Since the history of flowers began, the Rose has held the place of honor among its beautiful companions, and will continue to reign as long as summers come and go. The

sight of a perfect Rose always awakens the purest and most refined feelings in the human breast—a missionary of beauty and refinement wherever it is found.

The Rose will live, grow and bloom when once established with little or no attention, but, as with everything else, perfection can be obtained only through skillful and intelligent effort, and to bring out the glorious possibilities of the Rose requires a knowledge and supply of its wants. We therefore give below general instructions for its cultivation; of course we have no room for an elaborate treatise on Rose growing, but if the directions we give are carefully observed, the result will prove a surprise to most amateurs, bring them an abundant harvest of larger and more richly-colored, fragrant flowers than they perhaps have ever seen, for the great majority of Roses planted each year receive no care after they begin to grow, and never produce such blooms as they would under good treatment. Insects and disease also seldom attack plants which are kept in vigorous growing condition, but seek first the feeble and neglected bushes.

Of all care which is given plants, that is the most important which is bestowed on them at the start and while they are becoming established. Consequently particular attention should be given to

Preparing the Soil.

As remarked above, Roses will grow with but little cultivation and in any common soil, but they LUXURIATE in a deep soil; if the natural soil of the garden is of this character nothing need be done but to spade in a dressing of well decomposed manure before planting. Spent hot-bed manure is just the kind required, but this cannot always be readily obtained, and any thoroughly rotted manure will answer if free from litter.

In most gardens the only trouble is that the ground is not rich enough. This is easily remedied by applying a heavy coat of manure and spading it in through the soil to the depth of about eighteen inches; it should be thoroughly incorporated with the soil, and the whole well broken up with the spade. Where the soil is naturally heavy and wet, particularly of a clayey nature, the whole bed will have to be changed before it will grow Roses successfully. To accomplish this, remove the earth from the surface to the depth of eighteen inches and replace with good soil; this latter can be obtained by removing the surface of the sod from an old pasture and taking the earth immediately below for about three inches; this will be fine and porous, containing the roots and fibres of the grass, and when well manured makes the best kind of soil for Roses. If the position is very wet, it should of course, be well drained, as nothing is more injurious to Roses than a wet soil. Roses planted in a deep, rich soil find no lack of food for their roots, and should go on increasing in size and beauty indefinitely, each year yielding a larger number of finer and richer blossoms. In old Rose gardens may be found thousands of plants twenty years old, still growing and improving.

Planting.

The beds having been prepared for their reception, the Roses may be planted as soon as received, if the weather is favorable. Have the roots moist, and plant somewhat deeper than grown; if in dry weather, pour in a little water before filling up the hole around the roots, but do not let the surface become wet, as this causes it to bake; then press the soil down firmly around the plant. Protect for a few days from the hot sun, until the plant becomes established in its new home, when it should commence to grow at once.

Pruning.

The first spring after the Roses are planted, they will require no pruning except to remove the dead branches; indeed it is not necessary that they should ever be pruned more than this, as they will increase in size each year without it, but their beauty is greatly enhanced by always keeping the bushes trimmed into good shape.



Pruning should be done in the early spring before the plants commence to grow, and the desired shape of the plants should be kept constantly in mind while they are being pruned.

Hybrid Perpetuals grown in beds or masses need only to have their branches shortened into the highest strong bud, unless the branches are so long as to hang over, when they should be trimmed more closely, and any shoots which destroy the even balance of the plants should be cut out. Teas and other Everblooms, grown in the same manner, may be pruned quite severely, removing entirely any weak branches, and trimming back well the stronger ones.

With isolated specimens, it is an excellent plan to select a leading shoot near the center of each, and leave it untouched, while all the other branches are pruned to within three or four eyes of the base. Such plants form striking objects when in full bloom.

Rose hedges should be pruned to a uniform level, each spring, and that, the height that the hedge is desired to be.

Summer Cultivation.

During the summer the beds should be kept free from weeds and the soil frequently and thoroughly stirred with a hoe. In hot, dry weather the plants should be watered occasionally, especially during the first summer after they are planted. Watering should be done in the morning or evening, and never during the heat of the day; do not water the Roses often, but when it is done the ground should be thoroughly soaked. The best way is to give a good soaking in the evening and repeat the operation in the morning; this will suffice for some time, even during very hot weather. If convenient the beds may be treated to a mulch of one or two inches of fine rotted manure; this prevents the ground from baking and keeps the roots of the plants cool and moist.

Winter Protection.

Evergreen branches or young Evergreens sharpened at the end and stuck firmly in the ground around the plants, afford excellent shelter and are very little trouble. As with all kinds of protection these should be removed early in the spring.

Clean rye straw may be neatly stacked around each plant leaving a slight opening at the top to prevent mildew, and tying the straw to keep it in position; this need not be done until December, as the Roses are not injured as much by moderate freezing as they are by being covered too early.

For young plants we find, however, that by far the surest and simplest plan is to cover the plants with coarse coal ashes; these should be entirely free from wood ashes, which cause the bark to shrivel, and are very injurious. Cinders from railroad locomotives are splendid for this purpose, and we would advise their use whenever they can be obtained. Before covering, the plant should be cut back about one-third, removing all young succulent shoots; then bend the plant down to the ground, pegging it down to keep it in place, and to cover to the depth of about a foot with the ashes or cinders. Early in the spring most of the covering should be removed, and by the middle of April or sooner, it should be all raked off. This method is not confined to Roses only, but Dahlias, Gladoli, Tritomas and even Fuchsias can often be preserved in the same way. We learn from English periodicals that whole hedges of Fuchsias are there annually protected in this manner and come up and bloom each season with surprising vigor and freedom. We have known them to be wintered safely in this country when covered with ashes, but we cannot speak from experience in regard to them as we can of Roses.

Insects.

In respect of the principal insect enemies of the Rose, a golden rule may be offered for the comfort of the anxious amateur, "*ignore them.*" Do full justice to the trees in respect to the soil—planting, watering, etc., and you will be but rarely troubled by these plagues, for they seek out first the starving Roses; they want the trees that have been badly used; they swarm to the garden of the sluggard, where the thorn and the thistle grow broader and higher, and generally speaking are to be regarded as proofs that the trees are not thriving, and need amendment at the root.

Perhaps the only important exceptions to the above are the rose *slug* and the rose *bug*. The former is a green, soft, slug-like animal, about one-quarter of an inch long. They are usually most troublesome in June, frequently re-appearing in August. They feed upon the upper surface of the leaf, leaving the skeleton to mark the devastation wrought. The best remedy is probably white Hellebore powder mixed in water and sprinkled on them. For the rose bug hand-picking is the only effectual remedy. If the *aphis* or *green fly* attacks the roses, an application of tobacco water will usually make an end of them, or finely powdered tobacco may be sprinkled upon them from an old pepper box.

MILDEW.—This disease is generally caused by extremes of heat and cold, and by a long continuance of damp, cloudy weather. The best remedies are sulphur and soot; one of these should be applied the moment the disease makes its appearance. It is a good plan in this case, to previously sprinkle the plants with water, so that the substance applied will adhere.

Roses in Pots.

The Tea, Bourbon and China Roses should be selected for growing in pots in the house, for here a succession of bloom is usually required. Few persons grow roses in pots, except for the purpose of having them bloom in winter; therefore our remarks will be chiefly directed to this end. The soil should be composed of two-thirds light, mellow loam and one-third *well decomposed* manure. It is well to place a few pieces of broken crock or some coarse gravel in the bottom of the pot to secure good drainage. When potted, press the soil down firmly, leaving a space at the top of the pot to receive the water. Water thoroughly and frequently during warm, summer weather, but in fall and winter be careful not to allow the soil to become sour on account of too much moisture. Pinch off all buds as soon as they appear during summer, that the plant may gain strength for its winter flowering. When winter arrives, allow all buds to remain, and *give all the sunlight possible*. The plants should be kept at a temperature as near 60 degrees Fahrenheit as possible; sponge or sprinkle the foliage frequently to prevent Red spider; in short, use every effort to keep the plants growing, as this is the secret of getting them to bloom.



Hybrid Perpetual and Hybrid Remontant Roses.

Hybrid or Remontant Roses are perfectly hardy, free and constant bloomers, of all shades of colors from very dark to perfectly white. To obtain the most satisfactory results, they should be planted in rich, deep, well drained soil, and severely pruned in early spring before the buds start.

PRICE—First size, \$1 each; \$10 per dozen.
Second size, 50 cents each; \$5 per dozen.
Third size, 25 cents each; \$2.50 per dozen.

American Beauty—This grand rose is a seedling found in the gardens of Mr. Bancroft, the historian, at Washington, D. C., who has perhaps the finest collection of roses in the country. In "American Beauty" we have for the first time a rose of large size, having the everblooming qualities of the Tea Rose with the delicious odor of the Damask or Moss Rose, consequently equally valuable for winter or summer flowering. In color it is a deep brilliant pink, shaded toward the center with rich carmine.

Mrs. John Laing—Hybrid Perpetual. This rose is without doubt the H. P. Rose for early winter forcing. It is an exquisite hybrid, a seedling from Francois Michelin. It is a remarkably strong grower, deliciously fragrant, a very free bloomer and bears fine long stems surmounted by buds of large size. This rose recommends itself to all growers of cut flowers for many reasons.

Achille Conod—Dark crimson red; very large, full and bold flower.
Alfred Colomb—Bright carmine red; clear color, large, deeply built form; exceedingly fine.

Anna de Deisbach—Carmine; a beautiful shade, moderately full and very large.

Augusta Mie—Clear, rosy pink; very large and finely cupped; vigorous, fine.

Baron de Bonstetten—Rich velvety maroon; large, full. A splendid sort, though a shy bloomer in autumn.

Baron de Maynard—Pure white, medium sized flowers. Good form, very double, and one of the most persistent bloomers.

Baron Prevost—Deep rose; very large and full; a vigorous grower, and abundant bloomer; one of the oldest and finest of this class.

Countess de Serenye—A seedling from La Reine, but shows much of the Jules Margottin character. Silvery pink, often mottled; a full, finely shaped globular flower, of medium size; wood light green, foliage darker, thorns red; slightly fragrant, very distinct; not always reliable about opening, but a very free bloomer and well worthy a place in a small collection. Decidedly one of the finest autumnal roses, and also one of the most beautiful for forcing.

Chas. Lefebvre—Fine bright red, center purple shaded; large and globular. One of the grandest roses.

Coquette des Alps—White, lightly shaded with carmine; of medium size. A free bloomer.

Clemence Raoux—This splendid rose always gives satisfaction; the plant is vigorous and hardy; an early and free bloomer; the flowers are of extraordinary size and fullness; very fragrant; color, bright clear pink; reverse of petals silvery rose.

Countess of Oxford—A seedling from Victor Verdier; bright carmine, fading in the sun; very large and full; not fragrant. Wood almost thornless; foliage very handsome, large and distinct. Fine in bud; valuable for forcing.

Duke of Teck—Bright crimson scarlet, clear and distinct in its vividness of color, beyond anything else a real march towards a true scarlet rose. The flower is large, very double, of good, bold, pointed, globular form. Very free flowering habit, and bold, erect growth, with grand foliage.

Francis Levet—A very beautiful rose, soft China pink, delicately shaded carmine and blush; large finely formed flowers; delightfully fragrant.

Gen. Jacqueminot—Rich crimson scarlet, very bright and velvety. It produces buds that are much admired and in great demand. This is undoubtedly the most popular rose in cultivation.

John Hopper—Rose, with rosy crimson center; splendid form.

Gen. Washington—Brilliant rosy crimson; large and double; fine.

Jules Margottin—Light brilliant crimson; large, full and beautiful.

Louis Van Houtte—Beautiful maroon, medium size; full, of fine shape, deliciously perfumed.

La Reine—Bright rosy pink; very large, double and sweet; one of the best.

Mabel Morrison—A sport from Baroness Rothschild. Flesh white, changing to pure white; in the autumn tinged with rose; double cup-shaped flowers, freely produced. In all save substance of petal and color, this variety is identical with Baroness Rothschild. Though not so full in flower as we would like it, it is the best white Hybrid Perpetual raised.

Mme. Gabriel Luizet—A delicate silvery pink; beautiful shape; extra.

Paul Neyron—Deep rose color, good foliage; by far the largest variety in cultivation.

Pæonia—Cherry red, brilliant; extra fine form, a beautiful rose.

Prince Camille de Rohan—Deep velvety crimson, large, moderately full. A splendid rose.

Puritan—Hybrid Tea. This rose, a cross between Mabel Morrison and Devoniensis, is of pure white color, of large size, perfect symmetry, and of most delightful fragrance. In size and shape it greatly resembles its parent Mabel Morrison, carrying a wreath of foliage close to the bud. The fragrance is decidedly fresh and sweet, suggestive of the Magnolia. \$18,000 was paid for the stock of this rose.

Rev. J. B. Camm—Carmine rose; flowers medium size, very fragrant.

Bourbon Roses.

These are not quite as hardy as the Hybrid Teas, requiring a protection in the north. They are continual bloomers, of vigorous, rapid growth, with rich luxuriant foliage.

PRICE—First size, \$1 each; \$10 per dozen.
Second size, 50 cents each; \$5 per dozen.
Third size, 25 cents each; \$2.50 per dozen.

Agrippina—Rich, velvety crimson.

Hermosa—Light blush or flesh color, large, full and double; grows freely and blooms profusely; fine.

Louise Odier—Fine bright rose; large, full cupped form.

Sir J. Paxton—Deep rose, shaded with crimson; very strong grower, fine, rich foliage and free bloomer.

Souvenir de la Malmaison—Pale flesh, with a fawn shade; very large, full, beautiful.

Hybrid Tea Roses.

These are produced by crossing Tea Roses with Hybrid Perpetuals. LaFrance is of this class, and is probably more highly prized than any other Rose. They are not quite as robust as the Hybrid Perpetuals, but sufficiently so to endure our climate with a little protection in winter.

PRICE—First size, \$1 each; \$10 per dozen.
Second size, 50 cents each; \$5 per dozen.
Third size, 25 cents each; \$2.50 per dozen.

Captain Christy—Very tender, flesh colored, center of deeper tint; very large, centifolia rose shaped; fine.

La France—Delicate silvery rose, shaded with cerise-pink, often silvery-pink with peach shading; very large, very double and of superb form. It flowers continuously throughout the season. None can surpass the delicacy of its coloring; in fragrance it is incomparable; in form it is perfect, and is the sweetest and most useful of all roses. It ranks first, not only in the section to which it belongs, but stands first and foremost among roses.

Meteor—See Specialties. 50 cents.

Papa Contier—It is a profuse and continual bloomer, and in color is a deep red with carmine center; it is fragrant, has long stems and fine foliage, and is to take a leading place among the really valuable free blooming Tea Roses. It has a charm peculiar to itself.



Pierre Guillot—Bright dazzling crimson, passing to brilliant carmine; petals beautifully veined with pure white; flowers large, very double and full; a free bloomer and very sweet.

Souv. de Wooten—See Specialties, 50 cents.

Triomphe d'Angers—Bright fiery red, changing to darkest velvety crimson, tinged with purple; large full flowers, very double and fragrant.

Viscountess Falmouth—(Seeded from President; fertilized with moss rose Souper Notting.) Flowers very large and full; splendid form; color, delicate pinkish rose; back of petals, bright carmine. This color overlapping the other gives it a most lovely appearance; very distinct and beautiful. It is a constant bloomer, and very fragrant.

Wm. Francis Bennett—Like all Roses whose beauty is in the unopened bud rather than the full open flower, the Bennett during the hot, dry summer months is not so attractive, but when grown indoors in winter or in the open ground in spring and fall, it is one of the most brilliant of all the crimson Roses, deliciously fragrant, and having a profusion of bloom, unsurpassed by any of the monthly Roses. The color is a rich deep crimson or brilliant red of the brightest hue, rivaling Gen. Jacqueminot in richness, while the buds are of exquisite shape, long and pointed like Niphetos.

Noisette Roses.

These are the finest autumnal bloomers, and are distinguished by flowering in clusters. They are not quite hardy, requiring protection during severe winters.

PRICE—First size, \$1 each; \$10 per dozen.

Second size, 50 cents each; \$5 per dozen.

Third size, 25 cents each; \$2.50 per dozen.

Augusta—Sulphur yellow, large and full; very fragrant, strong grower; similar to, if not identical with, Solfaterre.

Cloth of Gold—(Chromatella.)—Rich, deep yellow; large, double, fragrant, and a vigorous grower.

Lamarque—White, with sulphur center, flowers in clusters. A magnificent climbing Rose under glass.

Tea Roses.

The perfume of these Roses is most delicate and agreeable, indeed they may be called the sweetest of all Roses. The flowers are also very large and delicate in their colors, such as white, straw and flesh color, and various tints of rose combined with them. They are more tender than any other rose in the catalogue, requiring a house or pit in winter. They are most desirable for pot culture.

PRICE—First size, 75 cents each; \$7.50 per dozen.

Second size, 40 cents each; \$4 per dozen.

Third size, 20 cents each; \$2 per dozen.

Bon Silene—This splendid old variety still holds its own against many of the newer sorts. It is equally valuable for summer or winter blooming; average size and exquisite tea scent; color brilliant carmine.

Bougere—This is a superb rose, extra large, very double and full; exceedingly sweet tea scent; color, bronze rose, or violet crimson, delicately shaded with lilac.

Catharine Mermet—Bright flesh color, with the same peculiar silvery lustre possessed by LaFrance; large, full and of beautiful form. One of the most fashionable Roses for cut flowers.

Cornelia Cook—A seedling from Devoniensis. Pale, yellowish white, sometimes tinged with flesh; flowers very large and full; not a free bloomer, and often does not open well, but a superb rose when full grown.

Coquette de Lyon—A lovely Tea Rose; exquisite canary yellow clear, translucent texture, and delicious perfume; flowers large, fine form, very full and double.

Duchesse de Brabant—Soft, rosy pink; petals edged with silver; very sweet. One of the best.

Glorie de Dijon—Yellow shaded with salmon and rose; large, full and distinct.

Marechal Niel—Very bright rich golden yellow, very large, full and perfect form; the petals are extra large and of good substance; of vigorous growth and a free bloomer. This is unquestionably the finest of all Tea Roses; truly magnificent.

Marie Guillot—A splendid rose, first class in every respect: color pure snow white, sometimes faintly tinged with pale yellow; extra large size, full and double, very sweet, tea scent.

Madame de Watteville—The color is a remarkable shade of creamy yellow, richly colored with rosy blush; the petals are large and each one widely bordered with bright crimson, which gives it a very striking and beautiful appearance. The flowers are large, very full, and highly perfumed.

Marie Van Houtte—White, tinged with yellow and shaded pale rose.

Madame Cusin—See specialties, 50c.

Niphetos—Snowy white; of the most elegant shape; flowers long and of a peculiar shell-like formation; most exquisite in its purity and expression; deliciously scented. One of the most valued winter flowering varieties.

Perle des Jardins—No rose of its color ever cultivated for cut flowers up to the present time is now so valuable as this. Its color is a rich shade of yellow, large size and perfect form, tea fragrance, a healthy, free grower, and unequalled in profusion of bloom, either in the green-house in winter or in the open ground in summer.

Sunset—A sport from the Perle des Jardins. The flowers are very large and double, producing beautiful buds and flowers in hottest summer weather. The exquisite shades of coloring found in this variety can only be compared to the gorgeous colors of a summer sunset, hence the name. The Sunset has a most delicious tea fragrance, and is a strong growing, free flowering variety.

The Bride—Every lover of fine roses should have a plant of this peerless variety, as it fills a place in ever-blooming roses hitherto wanting. The Bride is a pure white rose of large size and most perfect form. The buds are pointed and the ends of the petals are slightly curved back, giving it a most chaste and elegant appearance. This variety has the most delicious tea fragrance and is a strong, free-blooming rose either for summer or winter flowering.

Queen's Scarlet—Richest deep velvety crimson flowers, sweetly scented; of fine, free growth; one of the most desirable of all roses.

Souvenir d'Un Ami—A splendid rose which is now becoming prominent for winter flowering; buds full and double, clear deep rose color.

Sombrleul—Creamy white, often tinged with pink.

Safrano—Pawn, shaded with rose.

Polyantha Roses.

A class of roses of much value for bedding purposes, as they form a mass of bloom. They are of a dwarf habit, and are continuously in flower during the entire season. The flowers are produced in numerous clusters, the single ones being about one and a half inches across. The clusters produce from twenty-five to one hundred flowers. The Polyantha Roses are hardy in this latitude, with slight protection.

PRICE—First size 75 cents each; \$7.50 per dozen.

Second size 40 cents each; \$4.00 per dozen.

Third size 20 cents each; \$2.00 per dozen.

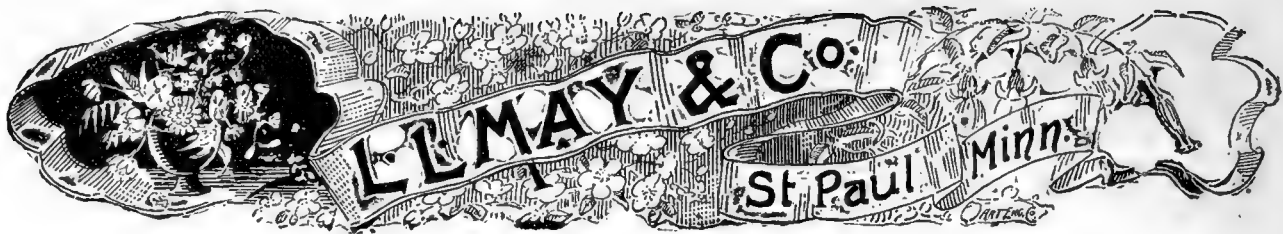
Mignonette—One of the most lovely and beautiful miniature roses, imaginable; full regular flowers, perfectly double and deliciously perfumed; color clear pink, passing to white, tinged with pale rose.

Mad'elle Cecile Bruner—Larger flowers than either of the others, very full and regular, perfectly double and delightfully fragrant; color rosy pink, on rich creamy white ground.

Paquerette—An elegant little rose, the smallest of the lot; full, regular flowers, pure snow white, a profuse bloomer.

Little Pet—A lovely variety, flowers of perfect form, very double and full, pure creamy white, sometimes delicately tinged with rose.

Perle d'Or—Yellow and buff tipped, white changing to buff, tinged with rose.



Hardy Climbing Roses.

These are admirably adapted for covering walls, trellises, old trees, unsightly buildings, etc. Their rapid growth, perfect hardiness, luxuriant foliage, immense clusters of beautiful flowers, commend them at once to every one.

PRICE—First size, 75 cents each; \$7.50 per dozen.

Second size 40 cents each; \$4.00 per dozen.

Third size 20 cents each; \$2.00 per dozen.

Baltimore Belle—Fine white with blush center; very full and double.
Creville, or Seven Sisters—Large clusters of bloom, shaded to dark red.

Queen of the Prairie—Bright rose color, large, compact and globular; a very profuse bloomer. One of the best.

Summer Roses.

PRICE—First size \$1 each; \$10 per dozen.

Second size 50 cents each; \$5 per dozen.

Third size 25 cents each; \$2.50 per dozen.

Magna Charta—Pink, suffused with carmine; full, globular. Foliage and wood light green, with numerous dark spines. A fragrant excellent rose.

Mad. Plantier—A perfectly hardy, pure white double rose. The plant grows in a very fine bushy form and produces flowers in great abundance in June. A most desirable rose for cemetery decoration.

Moss Roses.

Valued for their hardiness, exquisite fragrance and the beautiful effect of the delicate moss-covered buds. Excellent for cemetery plots.

PRICE—First size \$1 each; \$10 per dozen.

Second size 50 cents each; \$5 per dozen.

Third size 25 cents each; \$2.50 per dozen.

Countess de Murlins—White, slightly tinged with flesh. The best white moss.

Glory of Mosses—Pale rose, very large, full and beautiful.

Princess Adelaide—Pink, blooming in clusters, often called Climbing Moss. A very rapid grower.

Perpetual White—White, blooming in clusters, very double and well mossed.

Perpetual Red—Red, blossoms large, buds beautiful.

Our Selected Collection of Roses.

Many of our readers who have a taste for a bed of Roses and who have spent considerable time and money in the past, with either none, or indifferent success, can rely on the following collections selected with the utmost care. In making the selections we have carefully considered all the qualifications necessary to give complete and entire satisfaction for the purposes stated and not with any desire to work off old or surplus stock, which is often the case in offering collections. Purchasers can therefore rely on getting *only the best*, as we know the varieties, and know just what can be grown successfully in our climate, experience being the only reliable teacher in such matters.

ICE PALACE COLLECTION.

Our reason for so naming this collection is the extreme hardiness of each and every one. In blooming qualities they cannot be surpassed in the class to which they belong, viz., Hybrid Perpetual. Though called Perpetual they are not such early and constant bloomers as the ever blooming Roses. When once established, they bloom freely at usual time, and continue at short intervals during the summer and autumn months.

Baron De Maynard—White.

Clemence Raoux—Pink.

General Jacqueminot—Velvety Scarlet.

Paul Neyron—Deep Rose.

Prince Camille de Rohan—Blackish Crimson.

Anna de Delsbach—Carmine.

These six magnificent Roses for \$1.00.

Two Grand Collections of Ever-blooming Roses.

The following collections have been carefully selected from the many meritorious varieties in our list. They embrace the very cream of the profuse blooming sorts guaranteeing a continuous supply of buds and flowers from June to November. We have also endeavored to select the robust, healthy growing sorts, so that they can more successfully withstand our severe winters when protected according to directions given under the general heading of Roses. Every shade of color is represented so as to satisfy any and all of our customers.

NORTH WESTERN COLLECTION.

Duchess de Brabant—Rosy pink.

Coquette de Lyon—Canary yellow.

Agrippina—Rich crimson.

This elegant Collection for \$1.00.

Hermosa—Light blush.

Marie Guillot—Pure white.

Meteor—Velvety crimson.

COMO COLLECTION.

La France—Silvery rose.

Papa Contier—Deep red carmine center.

Perle des Jardins—Rich yellow.

American Beauty—Deep brilliant pink.

Triomphe de Angers—Dark crimson.

Souv. de la Malmaison—Pale flesh changing to white.

This superb Collection for \$1.00.

The Two Collections of Everblooming varieties for \$1.75.

Our Fairy Collection.

No more appropriate name can be found than "Fairy" for this elegant collection of miniature Roses. They are one continuous mass of bloom the entire Summer and cannot be surpassed for bedding, producing an effect on the lawn or in the garden not equalled by any other class of bedding plants.

For cut flower purposes such as corsage bouquets, etc., they are simply "immense." A full description of their habits can be found under the heading of Polyantha Roses.

Little Pet—Creamy white.

Perle d'Or—Yellow.

Queens Scarlet—Bright scarlet.

Mad'le Cecile Bruner—Rosy pink.

Paquerette—Pure white.

Mignonette—Pink-tinged rose.

This fine collection of Fairies for \$1.00.

Any two of the above collections, 1.75.

Any three " " 2.50.

Or the entire four superb " 3.00.

Beds of Roses.

We would add for the benefit of the uninformed that we can if desired, furnish the necessary amount of plants for Rose beds when desired, selections to be left to us if party will state for what purpose they desire them. That is—Hardy Perpetual, Everblooming, or Polyanthas, as follows: A circular bed of 3½ feet in diameter, holds 27 Roses, for \$3.00; 4½ feet in diameter, 38 Roses, price \$4.00; 5½ feet in diameter, 55 Roses, \$5.50; 8 feet in diameter, 75 Roses, \$7.50; 10 feet in diameter, 100 Roses, \$10.00.

NORTHERN GROWN SEEDS & PLANTS.

Bulbs and Plants.

The Plants and Bulbs under this heading, are all strong, vigorous plants, well rooted and in best possible shape for shipping. We would ask a careful perusal of the following list. We again call the attention of our customers, to the great advantage of having their plants sent by express when it is possible.

Abutilon.—Flowering Maple.



ABUTILON.

Hard-wooded greenhouse shrub, blooming almost the entire year. Well adapted for house culture; also fine for bedding out in summer. Flowers bell-shaped and drooping. They are called Flowering Maples, because the leaf bears a strong resemblance to the leaf of our Sugar Maple; indeed, the whole plant looks somewhat like a dwarfed maple tree. The Abutilons are very popular on account of their healthfulness, their cleanly habit, and their constant flowering, growing from 2 to 6 feet in height. Planted in open ground during the summer, they make fine border or bedding plants, and if potted in the fall will continue to bloom the whole winter. Plants 15c. each. Except where noted.

Boule de Neige—Flowers white; a fine flowering variety.

Mesopotamicum—Habit, drooping; flowers, scarlet and yellow.

Golden Bell—Very appropriately named, as a well grown plant of this variety, has the appearance of being hung with an abundance of glittering golden bells, making a fine contrast against the rich green leaves. It is a strong handsome grower. The flowers are bell-shaped, of a rich golden yellow. It blooms continually during the entire summer months, and if desired, will bloom equally well in the sitting room, or greenhouse, in winter.

Darwinii—Bell-shaped; light orange.

Firefly—Bright red.

Pink Perfection—A variety of dwarf, compact habit of growth. Color of flowers, a light rosy pink.

Thompsoni—The leaves are mottled, or marked with bright golden yellow, and retain their variegation during the hottest weather, flowers double.

Eclipse—A very decided improvement on the very fine old Mesopotamicum, quite as trailing and as massive with beautiful green and golden variegated foliage. Flower scarlet set in yellow calyx. 25c.

Ageratum.

Useful plants for bedding or borders, flowering continually during the summer. By cutting back and potting in the fall, they will continue to bloom all winter. Natural height, 9 inches. Plants 10c. each; \$1.00 per doz.

John Douglas—Flowers of good size; firm, azure blue; compact in growth.

White Cap—Pure white; compact grower.

Cannell's Dwarf—A very dwarf variety, scarcely ever exceeding six inches in height; one of the finest plants for carpet bedding, or for edging large beds. Flowers, bright lavender blue.



Aspidistra—Lurida Variegata.



ASPIDISTRA VARIEGATA.

One of the best window plants, standing dust and gas well. The leaves are eight to twelve inches long, and four to six inches wide. Of a deep green color, distinctly striped creamy white. A splendid plant for ferneries or wardian cases. 50c. each.

Achyranthus.

Bright leaved plants, more hardy than the Coleus; used largely for bedding, for which they are admirably adapted. Easy of culture, standing the hottest summer weather perfectly. Natural height, eighteen inches. Plants 10c. each, \$1.00 per doz.

Verschaffeltii—Leaves carmine and pink.

Lindenii—Leaves dark blood red; one of the best dark foliage plants we have.

Collinsii—The finest variety yet introduced; foliage golden yellow and green, beautifully variegated stems and mid-rib crimson.



ALYSSUM.

Alyssum.

Pretty plants for vases, pots or baskets, or for bedding out. Natural height six inches. 10c. each.

Double White.

The Gem—A new variety with white flowers very full and double; leaves broad, light green center bordered with pure white.

Alternanthera.

Plants with beautiful variegated foliage growing from twelve to twenty-four inches in diameter, and natural height six inches. They are among the most showy we have for carpet bedding, borders or ribbon lines, and are especially adapted to use in the formation of letters or figures on the lawn. The leaves are tinted, bordered and blotched in various forms, and vary in color, from bright crimson to yellow and green. Plants 10c. each, \$1.00 per doz., \$6.00 per hundred.

Amœna Spectabilis—Crimson, pink and brown; very bright and showy. Particularly desirable on account of its brilliant coloring.

Amabilis—Leaves tinted rose.

Aurea Nana—New; bright green changing to the richest of golden yellow in August; very beautiful indeed.

Versicolor—Leaves tinted rose and carmine.



Asclepias Salicifolius.

A very pretty free-flowering, summer blooming bedding plant, grown largely by florists for cut flower work. The flowers are pure white and are produced in great profusion. 10c. each, \$1 per dozen.

Agave.

The well known Century plant; grand ornaments for the garden, vases or pots.

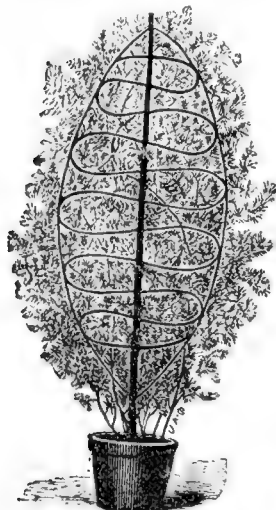
Americana—Green foliage. 25c. and upwards.

Variegata—Green and gold foliage. 50c. and upwards.

Anemone Japonica.



One of the best hardy autumn flowering plants we have. It is plain looking during the summer, with dark green foliage, but in the latter part of summer, flower stems appear, growing 18 inches high, bearing from a score to a hundred flowers, continuing to improve until destroyed by frost. The flowers are about two inches in diameter, double and single, white and scarlet. An excellent plant for cemeteries. Bulbs 20c. each.



TENUISSIMUS.

than the most delicate fern, spread in all directions; used mostly for decorating lace curtains; a valuable house plant. \$1.00 each.

Asparagus.

Tenuissimus—A beautiful species, of climbing habit, remarkable for the delicate appearance of its foliage. As a decorative plant for the conservatory or window, it is very striking, and for contrast with the foliage of other plants, it is one of the most effective. The sprays are beautiful used in cut flowers, in the arrangement of bouquets or vases, lasting a long time when cut and kept in water. 25c. each, \$2.50 per doz.

Plumosus Nanus—The stems of this extremely elegant plant are tufted, slender and gracefully arching. From the upper portions of the branches the fronds, finer



PLUMOSUS NANUS.

Aquilegia.

The Aquilegia is the old and well prized Columbine, of almost every conceivable color. The odd and peculiar formation of the flowers of this plant, renders them well worthy of cultivation. They are exceedingly showy, and rank among the best plants for early summer blooming. Price 10c. each; \$1.00 per doz.

Amaryllis.

An interesting class of plants, desirable for growing in pots, producing showy flowers that are very attractive and handsome. The bulbs should be potted in rich, sandy loam with good drainage. They require abundant moisture when growing, but at their season of rest water should be given sparingly. Bulbs 50c. each.



AMARYLLIS.

Johnsonii—An elegant pot plant, with flowers five inches in diameter, of a crimson color, each petal being striped with white. Flower stalks two feet high with clusters of three to five blooms. Very fine for house culture.

Equestris—Orange scarlet.

Vittata—White, striped with purple.

Aquarium Plants.

Cyperus Alternifolius—A splendid aquatic plant, throwing up stems two or three feet high, surmounted at the top with a whorl of leaves diverging horizontally, giving it a very novel appearance. Fine for the center of vases or aquariums. 15c. each.

Cyperus Variegated—A variety with leaves striped with white, giving the plant a distinct appearance. 35c. each.



CYPERUS ALTERNIFOLIUS.

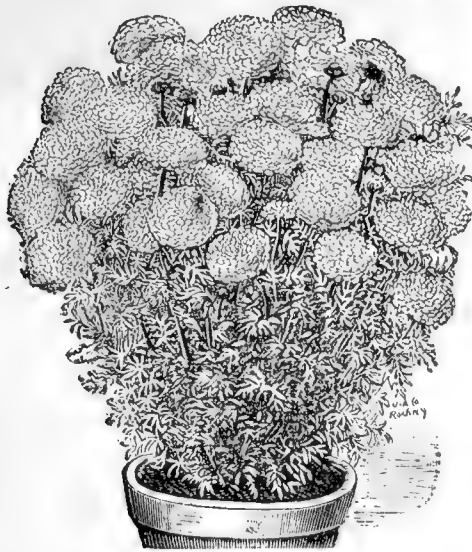
NORTHERN GROWN SEEDS & PLANTS.

Aloysia Citriodora.

Lemon Verbena.

A favorite garden plant with delightfully fragrant foliage, fine for bouquets and for spreading through linen presses. It attains a large size in a single season; may be wintered in the cellar not allowing it to become absolutely dry. Price 10c. each; \$1.00 per doz.

Anthemis Coronaria, fl. pl. Double Golden Marguerite.



ANTHEMIS CORONARIA.

This plant might well be called the "Shower of Gold," as it is a perfect mass of rich golden yellow flowers the whole year round; well grown plants, having as many as 150 flowers on them at once. 15c. each, \$1.50 per dozen.

Anthericum-Vitatum Variegatum.

An elegant house plant with re-curved graceful foliage, dark green leaves beautifully bordered with broad stripes of pure white. It throws up long spikes of small, star-shaped flowers, which are very effective. Fine for hanging baskets. 25c. each.

Azaleas.

We have a fine assortment of these deservedly popular greenhouse shrubs, valuable for cut flowers and decorative purposes. Our collection comprises the best and most distinct varieties embracing all shades of crimson, pink, white, orange and rose color. The plants are all finely headed and were directly imported from Europe by ourselves. Price, 75c. to \$1.50 each, according to size.



ANTHERICUM VARIEGATUM.

Antirrhinum Majus.



ANTIRRHINUM MAJUS.

The Antirrhinum, perhaps better known by its old and popular name Snap-dragon, is unsurpassed for summer and fall flowering. By removing a portion of the flower stems in the summer, the plants will throw up young, strong shoots by autumn, making vigorous plants, that will endure safely almost any winter. The varieties we sell, are particularly fine, and will fairly vie with the Carnation in the variety of their stripes and spots.

Tom Thumb—Dwarf, growing 1 foot.

Mixed Colors—Very fine striped and blotched; 2 to 3 feet.

Price 10c. each, \$1.00 per doz.

Achania Malvaviscus.

A plant somewhat resembling the Abutilon in growth but the flowers instead of being pendant are upright and of a bright brilliant carmine, resembling a Fuschia. Sometimes called upright Fuschia. Price 10c. each; \$1.00 per doz.



ACHANIA MALVAVISCUS.

Begonia Flowering

If your window gardening can accommodate but one plant let it be one of the freest flowering and largest growing of this class.

If you can grow a dozen sorts your delight will be increased twelve fold; give them a light soil, wood earth, some sharp sand and rich loam, and have your pots well drained. A little cow manure can be used to advantage if thoroughly rotted. Do not allow the soil to become sodden and do not give too much water. Many of the varieties make fine bedding Plants and bloom very freely in the open ground.

Alba Picta—Dwarf shrubby habit and very compact growth. The leaves are long pointed and of a glossy green color, thickly spotted with silvery white; foliage small and habit very graceful. 25c.

Glaucophylla—Scandens; leaves dark silvery green, with lighter edge, long pointed and graceful; a pretty trailing variety that can be trained in a slight support, fine for baskets. Flowers orange colored and borne in great profusion. 15c.

Argentea Cuttata—See Specialties. 25c.

Fuchsoides—Small coral red flowers, fine for winter blooming. 10c.

Hybrida Multiflora—Bears a profusion of drooping rosy pink flowers during winter; fine for baskets. 10c.

Dregli—Fine foliage, pure white flowers. 15c.

Diadema—See specialties. 25c.

Grandiflora Rosea—Light pink flowers; fine foliage; excellent for cut flower work. 15c.

Palmata—A fine erect growing variety, with peculiar foliage resembling a palm. 25c.



- Sanguinea**—A showy variety with large leaves, the upper side of which is a rich olive; the under side, crimson; and of a peculiar leathery like substance; dainty light rose and white flowers. 25c.
- Saundersonii**—A very free flowering variety, with deep crimson scarlet flowers, always in bloom, and a good bedding sort. Very reliable. 10c.
- Schmidtii**—Dark metallic green foliage, a very profuse bloomer, being continuously covered with white, pink tinted flowers. 10c.



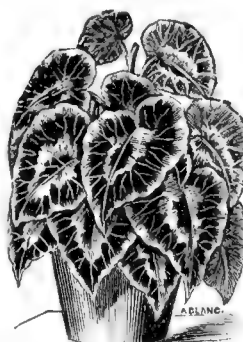
BEGONIA—RUBRA.

- Rubra**—One of the very best, tall erect growers, leaves dark green, of a heavy waxy texture; flowers coral colored, very large, and borne in great profusion, and a very constant bloomer. 15c.
- Semperflorens Alba**—A very pretty dwarf growing variety with waxy white flowers, always in bloom and fine for cut flowers. 10c.
- Semperflorens Cl antea Rosea**—See Specialties, 25c.
- Sutton's Perfection**—A very fine tall growing sort, growing equally as well in or out of doors during the summer months. With us it is a grand bedding variety, and continuously in bloom. Flowers waxy white. 15c.
- Passifolia**—One of the oldest varieties in cultivation, and has no superior for fine cut flower work; foliage a peculiar yellowy green with pure white flowers, and never out of bloom; fine for pot culture. 10c.
- Weltoniensis**—One of the most widely known of the species, succeeds finely with the least possible trouble. A grand summer bedding variety. Leaves a delicate green, and bears a profusion of delicate rosy pink flowers. 10c.
- Incarnata**—An erect growing variety with narrow sharp pointed leaves, small, notched and glossy; a good winter bloomer, with medium sized bright pink flowers. 10c.
- Richardsonii**—Foliage finely cut and fern like, with pure waxy white flowers. 10c.
- Marguerite**—Similar to the above, but of dwarfer growth; very free flowering. Large trusses of delicate cream and rose colored flowers. 15c.



BEGONIA—METALLICA.

- Metallica**—A fine erect growing variety, with rough dark leaves the surface is a lustrous bronze green, veins depressed and dark red; a free bloomer. The panicles of unopened buds are bright red with surface like plush. When open the flowers are waxy white. A very fine variety. 15c.
- Weltoniensis Alba**—Fine bright green foliage, with pure white flowers, excellent for cut flowers. 10c.
- Zebrina**—Foliage dark green, with silvery whitish veins; flowers white; a very strong erect grower; long lance shaped leaves. 10c.
- Subpeltatum Nigricans**—Leaves rich shade of crimson, entirely unique in character, excellent plant for baskets or vases; always a scarce variety; flowers white. 15c.



BEGONIA REX.

Begonia Rex.

The most ornamental of window plants when well grown. Give them a soil composed of well rotted sods wood earth and sharp sand. They require a warm moist atmosphere and a shady situation. They are universally admired for their grand leaves, which are elegant in form, rich in coloring and of the deepest velvety texture. Do not allow the sun to strike the leaves when wet. Our collection embraces all the new and popular sorts. 20 cents each.

Bouvardias.

This is a beautiful class of autumn and winter blooming plants, producing flowers in great abundance, varying in color from the purest white to the deepest scarlet. They blossom the best in bright sunny situations, in a temperature of 60 to 70 degrees. Price, 15c. each; \$1.50 per dozen.

Davidsonii—Pure white flowers, slightly tinted with a delicate blush; large clusters.

President Cleveland—(New.)—Plant vigorous and free flowering; trusses, extra large, very compact. Flowers, large and of a bright scarlet crimson. The best Single Bouvardia yet introduced.

NORTHERN GROWN SEEDS & PLANTS.

DOUBLE BOUVARDIAS.

The Double Bouvardias are now among the most popular plants for forcing or house culture. The flowers are a trifle larger than those of the single variety, and perfectly double, each floret resembling a miniature tuberose. Price, 15c. each; \$1.50 per dozen.

President Garfield—Double Pink.

Alfred Neuner—New Double White.



DOUBLE BOUVARDIA—ALFRED NEUNER.

Caladiums—Fancy Foliaged.



This class of beautiful, variegated foliage plants, elegantly spotted and mottled, with rich shades of green, crimson, violet, rose and white, is exceedingly handsome when alone, or intermingled with other plants. As decorative plants they are unequalled, being largely used as exhibition plants for summer and autumn fairs. They require a moist, warm temperature to bring the colors out to perfection. In the fall they die down and the bulbs should be kept in pots in a warm place, in the winter. The bulbs are very small compared with *Caladium Esculentum*, which is such a

grand grower for the garden. Price 35c each; \$3.75 per dozen.

Caladium Esculentum.

A tropical plant of the well known family of *Caladiums*. One of the most striking of the ornamental foliage plants, either for pot or lawn planting. It will grow in any good garden soil; it is easy of culture; a full-sized plant, being 4 or 5 feet in height, with immense leaves. Roots obtained in the spring, will make good plants in the summer, and in the fall they should be taken up and stored in the cellar in dry sand. There is nothing so good as this *Caladium* for a grand bed of foliage in the garden. Good roots, 25c. each; extra large roots 50c.



Cannas.

The Canna is a fine foliage plant used largely in sub-tropical gardening, for the grand effect which their rich and varied colored leaves produce. It is particularly desirable as the center of a group of foliage plants, for which it is one of the best, growing from 3 to 6 feet high. The leaves are sometimes two feet in length of a beautiful green, some varieties being tinted with red. Roots can be taken up in the autumn and placed in a cellar. No one can fail to be pleased with the plant.



Ehemanni—A new variety, with very large crimson flowers, about 3 inches long and 2 inches wide. The habit of growth of this variety is good, and the large, handsome flowers add much to the beauty of the plant. 40c. each; \$4 per dozen.

Nepalensis—Bright green foliage, flowers yellow. 25c.

Warszewiczii—Crimson, with yellow markings in lower petals; foliage light green, dark edge. 25c.

New French—See specialties. 50c.

Marshall Vallant—Bright red foliage, very robust, flowers dark scarlet crimson. 25c.

Cissus Discolor.

A strictly house plant, requiring a warm, moist atmosphere, noted as being one of the most remarkably beautiful climbers grown. No description can do justice to the superb variegatum of its foliage. The leaves are about six inches in length, the upper surface covered with a metallic lustre under which are displayed a rich green, clouded with white, peach carmine and purplish crimson. 50c. each.

Coccoloba Platyclada.

This curious plant is known as the flat-stemmed Cactus plant from its unique style of growth; foliage dark green. The branches are flat, producing leaves at a direct right angle; flowers small white, of very easy growth, and is in all respects a fine plant for baskets, house culture, vases, etc. 10c. each; \$1 per dozen.



CARNATION.

Carnations.

The Carnation is one of the sweetest and prettiest flowers that grow. Its fragrant flowers are always sought after, and the rich, spicy odor of the Carnation, makes it one of the most desirable plants for either indoor or outdoor culture. The ever-blooming varieties are admirable for winter flowering in the greenhouse and window garden, and are the main dependence of florists for the preparation of floral ornaments in the winter. The best way is to obtain young plants in the spring and plant them out in the garden. Pinch off the tops of the long shoots, and all buds that appear previous to the middle of August, so as to form compact plants; after that allow all to grow. Take up and pot the plants the latter part of September or first of October and remove them to the house. Young plants 15c. each; \$1.50 per dozen except when noted.

Grace Wilder—One of the most beautiful varieties grown; soft, carmine pink, very robust and floriferous.

Buttercup—New and very valuable; with a strong habit of growth and beautiful rich golden yellow blooms, with an occasional faint streak of scarlet or carmine. The flowers are of very large size and freely produced. The color is almost exactly that of the *Perle des Jardins* Rose. A splendid variety.

King of Crimson—Dark crimson scarlet; very large.

President Garfield—Vermilion red, very fine.

Hinzie's White—Pure white, flowers large, free bloomer.

Silver Spray—See specialties. 25c.

Seawan—Dark crimson-maroon; a profuse bloomer.

Secretary Windom—Clear, bright scarlet; very fine.

Snowden—Free blooming, dwarf, white.

Hinzie's Red—Vigorous, very fine.

President DeGraw—Very fine, white; free bloomer. Valuable for forcing in winter.

Sunrise—An entirely distinct color; orange ground, striped with crimson; real terra cotta colored monthly Carnation; flowers full double, fringed, and of rich clove fragrance; unsurpassed by any variety in its profusion of bloom, and of a strong, vigorous, healthy growth, hitherto unknown in the yellow or orange colors; a variety certain to become a standard sort, as it possesses every good quality.

Tidal Wave—See specialties. 25c.

Coleus.

The Coleus is the best and cheapest ornamental plant we have for ornamental bedding in what is called the carpet style. They will make a bed of which no one will have any cause to be ashamed. There is such an endless variety in their color and marking, that with a little tact in planting varieties, the most gratifying results can be obtained at a trifling cost. Plants should be set about a foot apart, so that when the size of the bed is known, it is easy to figure how many plants are needed of each kind for a row. 10c. each, \$1.00 per doz.; per hundred, our selection, \$6.00.

Crimson Bedder—Centre of leaf carmine crimson, edged with green and maroon.

Golden Bedder—Canary yellow, deep gold in the sun; very fine for ribbon beds—one of the best.

Gov. Merriam—Centre of leaf bright cerise scarlet, bordered with a broad band of magenta green; compact habit.

Glory of Autumn—Deep crimson bronze; a grand bedder.

Her Majesty—Dark red, edged with golden yellow.

Jewel—Dark crimson, edged with golden green.

John Goode—Light green mottled with yellow, turning bright golden color in the sun.

Diadem—Very large foliage; white centre rib; light green, mottled maroon and crimson.

Multicolor—Distinct from all others it is many colored crimson rose with shades of red.

Mrs. Hunt—Centre of leaf a bright crimson with deep chocolate border, and this in turn completely edged with bright green and yellow; requires shade or good for pot culture.

Nero—Very dark; the blackest variety grown.

Onward—Very dark maroon, dotted and marked with bright shades of carmine, green and yellow.



COLEUS.

NORTHERN GROWN SEEDS & PLANTS.

Paroquette—Bright yellow, maroon, dark red and light green; beautifully blended in many designs.

Priscilla—Serrated green leaf, marked in center with creamy white, underside of leaf pink.

Progress—A mixture of golden yellow; rose carmine and green; very fine and distinct.

Princess—Serrated foliage, dark green center, edged with crimson and lemon yellow; a fine variety.

Red Cloud—Very large foliage, dark maroon, beautifully marked with carmine, light yellow and green.

Rosedale—Dark velvety maroon, serrated leaf; a fine variety.

Royal Mantle—Dark velvety crimson, edged green, overlaid with a beautiful velvety maroon.

Rob Roy—Carmine center, rib edged, white, the entire leaf having a bright green margin.

South Park Gem—Pure lemon color, stands the sun well; a fine bedder.

Tesalata—Evenly margined with green and pale yellow.

Verschaffelti—Rich velvety crimson; the best variety for general planting.

Yellow Bird—Color pure lemon yellow.



CUPHEA.

Cuphea.

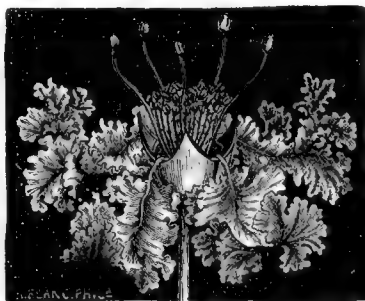
(CIGAR PLANT.)

The Cupheas are neat little plants for pot culture; also splendid for baskets, vases or bedding out. They bloom almost continually. Price 10c. each; \$1 per dozen.

Platycentra—Tub of flower scarlet; lip white and black.

Grape Myrtle.

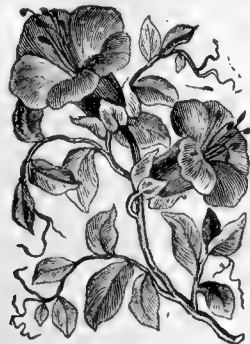
A very handsome shrub; flowers very freely, almost concealing the plant with blossoms. The plants may be wintered in a cool, dry cellar. Price 25 cents each.



GRAPE MYRTLE.

Gobea Scandens.

This is a handsome climber, making a strong, rapid growth, often twenty feet in one season. Flowers purple, one and a half inches across. The plants begin to blossom when quite small, and continue to flower all summer. In the autumn they may be cut back, repotted and removed to the house or conservatory, where they will do good service all winter. They are very desirable for vases, hanging baskets, or for trellises. Price 25 cents each.



GOBEA SCANDENS.

Cyclamen Persicum.



CYCLAMEN PERSICUM.

The Cyclamen is particularly adapted for window culture, and will give more flowers with less trouble than almost any other plant we are acquainted with. The colors are usually white, tipped at the base with rosy purple. Use a small pot, and place the crown of the bulb just above the surface of the soil. Keep the plant cool until the flowers are well grown. When the flower buds begin to rise in the foot-stalks, move to a sunny shelf, where they will soon show bloom. Place as near the glass as possible. After the blooming season (generally two or three months) is over, gradually withhold water. Price, 25 cents each; \$2.50 per dozen.

Centaurea.

White foliated bedding plants, that make the prettiest and most effective borders for beds of ornamental leaved plants. They are commonly called Dusty Millers. Used generally for bordering beds of Coleus or Geraniums. Price 10c. each; \$1.00 per doz.

Gymnocarpa—Leaves deeply cut.

Candida—Leaves smooth and very white.



CENTAUREA.

Cactus.

An extremely curious genus of plants, many of the varieties producing magnificent flowers of the most brilliant and striking colors. Succeeds best in sandy loam, mixed with a little peat. Water very sparingly.

Cereus Grandiflora—(Night Blooming Cereus.)—Flowers enormously large, and of the rarest beauty; pure white, and opening only at night. Stalk long, four angled. \$1.00 each.

We also offer a collection of low growing varieties at 50c. each, our selection.

Curculigo Recurvata.

A very graceful palm-like plant for house culture and decorative purposes; foliage very long, bright green ribbed and of very easy culture; fine for vases. 50c. to \$1.00 each, according to size.



Clerodendron Balfouri.

The Clerodendron is one of our most beautiful plants for house culture. *C. Balfouri* is a handsome greenhouse climber, with large clusters of crimson flowers, each flower encased in a baglike calyx of pure white. When trained on a trellis the drooping panicles have a rich and elegant appearance. It can be trained as a shrub also, and makes a very showy pot plant, blooming as it does, almost continuously in the winter. Price 25c. each.

Crotons.

These ornamental plants are natives of the South Sea Islands. They are among the most beautiful of our variegated plants, the leaves being striped with yellow and red in various ways, rendering them very attractive for decorative purposes. Fine only for house culture. We offer a fine collection. Price 50c. each.

Chrysanthemums.

This, the queen of autumn flowers, still is in the lead. Nothing in the way of flowers has received the care and attention for the past few years with such gratifying results, both in the quality of the flowers and diversity of bloom. It is simply impossible to give justice to some of the varieties in our brief descriptions. In November and December there is nothing that will make such a cheerful display, while the varied and gorgeous colors and fantastic shapes of many of the varieties make them the most popular and fashionable autumn flower.

The proper time for planting is any time after the ground can be worked up to the first of June. When your plant is 6 to 8 inches high cut back to a height of 4 inches; allow four shoots to grow from this main trunk. When these shoots are 4 inches high pinch out the terminal bud and save three or four branches that will spring from each of these limbs. Allow these branches to attain a height of 9 inches, then disbud for the last time. Never allow one flower to crowd another on the stem or both will be spoiled. Use good rich soil with plenty of well rotted cow manure and a little bone dust. Lift in September or October and put in large boxes or pots, drench thoroughly and never allow them to suffer for water. Give manure water once or twice a week if possible. Bring into the house before frost and place in a room without fire and give plenty of air when not frosty. In cold climates winter in the cellar. Price 15c. each, \$1.50 per doz.

There are three classes of Chrysanthemums: the Chinese, bearing a large, loose, graceful flower; the Pompons, with small and perfectly double flowers in great abundance; and the Japanese with ragged, fringe-like flowers, like Chinese, only more so. The prevailing colors are white, the different tints of yellow, (and the yellow colors are exceedingly fine,) and different shades of red, (the reds are not brilliant.) Large plants, 50c. each.

CHINESE VARIETIES.

- Cullingfordii**—A rich crimson shaded scarlet, flowers large and well reflexed, fine and distinct.
- Compactum**—Fine silvery rose, handsome.
- Diana**—Pure white, nearly globular in form, each petal deeply serrated; early.
- Frank Wilcox**—Above medium size, rich golden amber, slightly shaded deep bronze.
- Golden John Salter**—Golden yellow, changing to amber, incurved; very pretty.
- Phoebus**—One of the finest yellow Chrysanthemums ever grown; very large.
- Queen of England**—Blush striped rose, finely incurved; good habit.
- Mrs. Geo. Bullock**—Pearly white flowers, very large.
- Mrs. Geo. Rundle**—One of the very finest white varieties; incurved, early.
- Souv. Melanie**—Flowers small, reflexed, of the purest white.
- Venus**—Lilac peach, incurved, large and beautiful.
- White Venus**—Beautifully incurved; white.

POMPON VARIETIES.

- Brunette**—Rich light brown, shaded with bronze; dwarf and early.
- Bob**—Dark brown crimson, fine color.
- Hyppolye Jamain**—Light pink shaded, silvery rose; dwarf and free.
- Christine**—Flowers pure white; early.
- Mad'le Mariguac**—White and rose; beautiful form; early.
- Princess Meletia**—White flowers of good size; beautifully fringed.
- Model of Perfection**—Rich lilac edged; pure white.
- Souvenir de Jersey**—Rich deep yellow; close and compact; very small.

JAPANESE VARIETIES.

- Advance**—Incurved, of perfect shape, deep pink, fine form, very large and quite distinct; extra. 25c.
- Belle Paule**—Very large; center of each petal pure white distinctly edged rose.
- Blanche Neige**—Pure white; large flowers; one of the best.
- Baronald**—A variety second to none in size and beauty; of elegant form, very large, of a rich deep red and golden bronze; very double; extra. 25c.
- Christmas Eve**—Late, extra fine, white; each petal curved and twisted; an odd but soft and feathery shape.
- Coronet**—Rich golden orange, incurving to center; outer petals reflexed, showing on the upper surfaces lines of red and bronze; of perfect globular form and immense size. 25c.
- Domination**—A soft, creamy white flower, very early, large and handsome; one of the finest in our collection.
- Desideratum**—A fine variety, late flowering, very large, light creamy white; back of petals striped pink; very striking.
- Duchess**—Deep rich red, tipped yellow; flowers large.
- Dango Zaka**—A very distinct and desirable variety of the largest size; color a distinct claret crimson and pink bronze; center incurving without showing an eye; outer petals reflexed; extra. 25c.
- Excellent**—Very soft pink somewhat resembling the color of the Mermet Rose; very large flat flower, drooping but quite double; a color now so much in demand; extra. 25c.
- Fair Maid of Guernsey**—Flowers very large, of the purest white; blooms in clusters.
- Fleur de Bois**—A well-formed, blood-red flower, center shaded with gold.
- Fimbriatum**—Rosy pink at base of petals; the outer portion pure white; much fringed.
- Fred Shaw**—Reddish lilac tipped white; fine form.
- Gorgeous**—Golden yellow; a magnificent flower; early and distinct.
- Golden Thread**—Bright golden yellow; very fine, thread-like petals; fine.
- Golden Rod**—A beautiful golden yellow; fine shape; strong robust grower.
- Hon. John Welsh**—Beautiful deep crimson; a distinct and handsome variety.
- Jullus Scharf**—Very large, flat and smooth; of a rich violet amaranth; lasts a long time.
- Llewellyn**—Large, very double, of Indian red color, reverse clear gold; middle petals incurving, forming a high-crowned center, showing the bright gold outside petals, producing the appearance of having one flower above the other; extra. 25c.
- Laciniatum**—White, fringed edges; one of the best old sorts.
- Mrs. Seaman**—Blush shading to rose; graceful appearance.
- Mrs. Wm. Barr**—Pure bright crimson, incurving so as to form a compact ball; under surfaces deep pink; very large and of grand habit; extra. 25c.
- Mrs. Sam. Houston**—A magnificent flower, large and flat; pure white; of remarkably good habit; good for all purposes and easy to grow. 25c.
- Mignon**—A beautiful soft rose, shaded violet, with bright silvery center; fine flower.
- Mrs. I. Clark**—Pearl white in the margin shading to deep rose center, reflexed; beautifully whorled; extra. 25c.
- Mad. Bouchardet**—Dark orange tipped with a fine bright lemon yellow; elegant form.

NORTHERN GROWN SEEDS & PLANTS.

Mrs. R. Brett—A distinct variety, differing from all others by its plume-like flowers of pure gold.

Mad. Lemolne—Light rosy lilac, light center, fine form.

Mrs. J. B. Wilson—Very large, ivory white; petals broad and long, incurved, fine.

Mrs. Alpheus Hardy—See Specialties. 50c.

Mrs. Andrew Carnegie—See Specialties. 50c.

Mrs. W. K. Harris—See Specialties. 50c.

Minnie Miller—Dark rosy pink; very free flowering; one of the best of the color.

Pietro Diaz—Brilliant red, fine habit, large flower.

Perle—A delicate pink; large, exquisite form.

Pelican—Very large, creamy white flowers; late flowering.

Peter the Great—A very showy, bright lemon yellow with beautiful foliage.

Pres. Arthur—Immense rose flowers, opening in whorls; single flowers have measured eight and a half inches in diameter. 25c.

Puritan—White tinted with lilac; large flowers; fine for bushy plants.

Rose Lace—Rosy pink; fine form.

Robert Bottomly—A grand mid-season variety; pure white, fine form; one of the very best.

Rubra Superba—Rich dark crimson tipped with gold.

Robert Craig—A grand flower; very distinct; outside of petals white, inside a deep pink.

Rob Roy—Petals partially tubular; variegated red, crimson and bronze.

Sunnyside—A delicate flesh-tint when opening, becoming white when fully expanded; quilled floret petals; immense size and great substance. 25c.

Source d'Or (Golden Stream.)—Golden, twisted florets, tipped yellowish brown; large flower.

Wm. Robinson—Deep buff and gold; a fine and very large variety.

Yedda—A grand flower, very much reflexed and twisted, covering the plant with a mass of golden yellow bloom. 25c.

ANEMONE AND SINGLE VARIETIES.

Acquisition (Anemone.)—Yellow disc, high in center, with guard of snow white petals.

Mary Anderson—White, changing to a delicate blush yellow; eye resembling a mammoth daisy.

Juliet—Pure white; yellow eye.

Oriole—Bright golden yellow; yellow center.

Dahlias.

The Dahlia is the grandest autumn flower we have; nothing is its equal in any respect in September or October. It is in its glory when almost everything else is faded or fading, and surrenders only to the frost king. We have a large collection of the double and single, large flowering, bouquet and pompon varieties. Leave the selection of varieties to us; we can make you a selection which will delight any lover of this beautiful flower. Our stock forms the largest, finest and most varied collection in the country. Put Dahlia tubers in the ground when the season becomes warm, covering the neck some three inches; if many shoots start, thin them out. After flowering, and before hard frosts, take up the plants, remove the tops, dry the bulbs a little, and put in the cellar till spring, when they can be divided and replanted. Look at them occasionally during the winter to see that they are not shriveling from too dry an atmosphere, nor starting the eye early in consequence of too much moisture or warmth—15c. each; \$1.50 per doz.

DOUBLE DAHLIAS.

Large Flowering Double Bicolor—Yellow; tipped white.

Bonnard's Yellow—Pure yellow; long stems.

Countess of Ravenswood—Delicate pink; very large.

Camella Flora—White; fine for cutting.

Dawn—Dwarf; creamy white tipped rose.

Dom Pedro—Scarlet and white.

Gem—Red maroon.



DOUBLE DAHLIAS

Golden Bedder—Dwarf; orange yellow.

Guiding Star—Pure white; petals toothed; fine.

Hoffmeister—Yellow striped and spotted crimson.

Miss Dodd—Bright yellow.

Princess Matilda—A grand white variety; dwarf; large flowers.

Pluton—Rich yellow.

Purple Queen—Purple.

Penelope—White; faintly tinted pink.

Queen Victoria—Golden yellow.

Red Head—Scarlet red.

Snow—White; splendid form.

Snow Cloud—White; dwarf habit; fine for cutting. 35c. each.

White Dove—See specialties. 20 cents; \$2.00 per dozen, except when noted.

Double Bouquet or Pompon Colibri—Bright scarlet.

Perle d' Or—Lake red; tipped yellow.

Bird of Paradise—Bright crimson.

Theo. Heymann—Dark red venus; pure carmine. 20 cents each; \$2.00 per dozen.



CACTUS DAHLIAS.

Showy flowers resembling Cactus.

Constance—Ivory white.

Empress of India—Deep crimson; shaded maroon.

Juarez—Dazzling scarlet.

Lyndhurst—Deep scarlet; shaded maroon.

Mrs. Hawkins—Yellow, tinged with red.

A. W. Tait—See specialties. 35c. each.

W. T. Abery—See specialties. 35c. each.

SINGLE DAHLIAS.

We offer this season fine strong seedlings of this very popular plant, now so eagerly sought after in the east for summer cutting. Their fine form and bright attractive colors make them at once exceedingly popular, and as early plants are necessary to secure blooms the first year, customers can not do better than purchase plants started in pots. Single varieties, mixed, 15 cents each; \$1.50 per dozen.

May's New Striata—20 cents each; \$2.00 per dozen.

Dielytra Spectabilis.—Bleeding Heart.

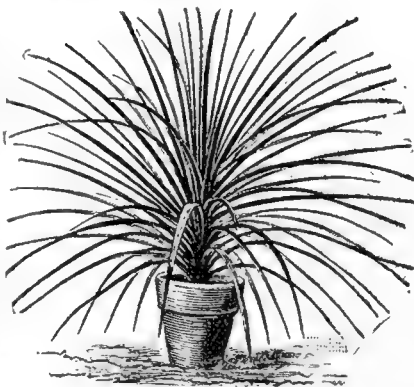
One of the most popular of our tuberous rooted plants. It is perfectly hardy and equally adapted to out-door planting or forcing for early spring blooming. It will produce its snowy racemes of delicate pink and white heart-shaped flowers from February to April in the greenhouse, flowering in the open ground in May and June—25c each; \$2.50 per doz.



DIELYTRA SPECTABILIS.

Dracena.

Very ornamental pot plants, grown for their beauty of form and foliage. Also one of the most useful plants for decorative purposes, for which their bright colored tropical looking foliage renders them very appropriate. They require re-potting about three times a year to keep them in healthy condition. The leaves should be washed weekly with a damp sponge. They are



DRACENA INDIVISA

also specially adapted for use in hanging baskets, or vases; also as center plants, for which purpose they are without equal—50c. to \$1 each.

Terminalis or Dragon Tree—Foliage dark crimson, marked with pink.

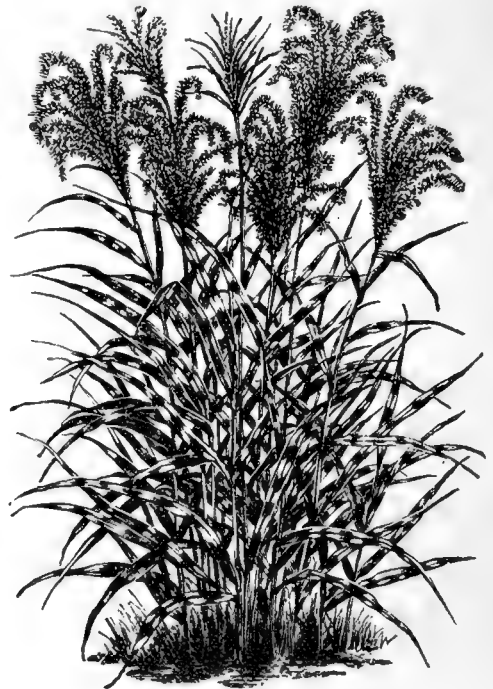
Indivisa—With narrow grass-like foliage.

Erythrina Cristi Galli.

Coral Plant.

A greatly esteemed deciduous summer flowering plant producing large spikes of curious bright crimson coral flowers during the summer months. It is not hardy but is as easily kept during winter as the Dahlia. We know of no flower producing as fine a show in a bed as this and a universal favorite wherever known. 25c. each.

Eulalia Zebrina Japonica.



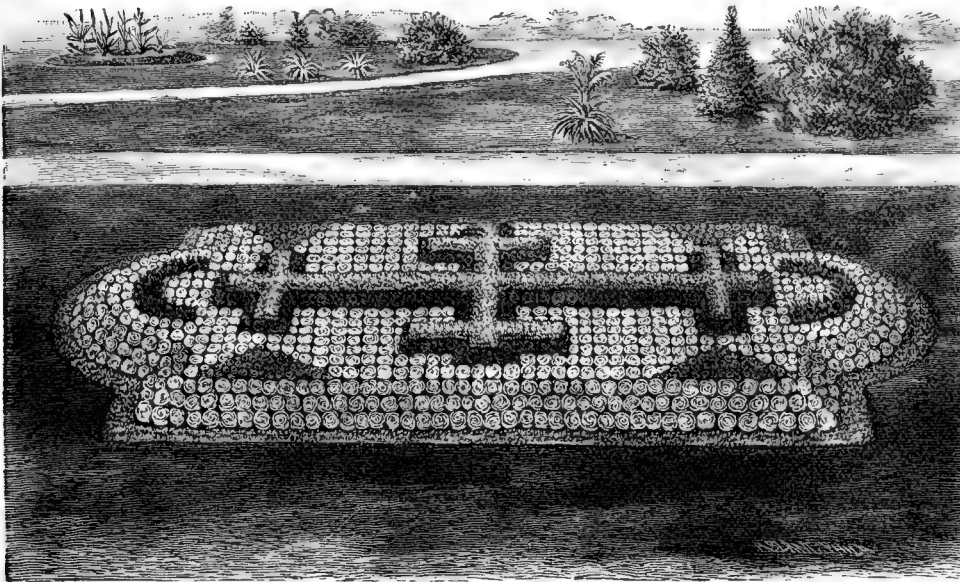
EULALIA ZEBRINA JAPONICA.

This plant is unlike most variegated plants, as its stripe or marking is across the leaf instead of lengthwise, which gives it a very peculiar, but beautiful appearance. It grows from 4 to 6 feet high, and is very graceful in form. Being perfectly hardy it is more desirable, as plants will improve in size and beauty every year. For planting on a lawn as a single specimen plant, or for grouping it is unsurpassed. In the fall it bears large, tassel-like plumes. These may be used as parlor ornaments, and will last for years. 25c.

Echeveria.

This class of plants is now considered indispensable for effective design beds. They are well adapted for rockeries, ribbon beds and grave decorations, and also make fine house plants and will succeed finely under almost any kind of treatment. The flowers are quite attractive. 15c. each; \$1.50 per dozen.

NORTHERN GROWN SEEDS & PLANTS.



BED OF ECHEVERIAS.

Ferns.



These beautiful plants are now generally cultivated. Their graceful foliage makes them much valued for baskets, vases, rock work, wardian cases, etc. In summer they should be set outdoors on the shady side of a house or fence; shower them frequently both in summer and winter.

Adiantum Cuniatum

One of the easiest to grow; very graceful in appearance; generally grown for cut flower work. 25c.

Adiantum Gracillimum

A most elegant Fern, with very light graceful fronds about a foot long; very thin and fragile. 50c.

Adiantum Bellum

Very strong growing rather dense foliage; very pretty. 35c.

Adiantum Cuneatum

Grandiceps—Very

robust in habit, fronds elongated; the pinnae terminate in similar, but smaller branches having the appearance of a tuft; a very graceful and pretty variety. 50c.

Adiantum Wiegandii—A very pretty and novel variety, neat in form and having a compact style of growth; very dark foliage. 35c.

Adiantum Cincinum—A close growing variety with beautiful arching fronds; very graceful. 50c.

Adiantum Latum—A tall growing species of a very neat habit. 50c.

fronds from 12 to 18 inches long; fine for house culture. 50c.

Alsophylla Australis—Australian Tree Fern; a grand growing variety, attaining an enormous size; foliage very beautiful and graceful fronds. 50c.

Blechnum Braziliensis—Erect grower, strong habit and a grand plant for single specimens either in the house, conservatory or garden; has a palm-like appearance. 50c.

Cibotium Regale—A very choice and rare Tree Fern; beautiful foliage and very desirable in every way. \$1.00.

Davallia Stricta—One of the prettiest and most useful ferns in cultivation. Either for cutting or decorative purposes it is indispensable. 25c.

Davallia Elegans—A most beautiful fern with graceful, wavy fronds of a silvery green color; very elegant. 50c.

Microlepia Hirta Cristata—An exceedingly graceful fern of free growth; makes a beautiful specimen for a pot. 2c.

Microlepia Scabra—A fine fern for cut flower work; strong, erect, leathery fronds, not too large and very graceful; should be in every collection. 25c.

Nephrolepis Davaloides—A beautiful crested variety of the Java Fern Davaloides. It is a noble fern of robust growth, sending forth as from a central tuft, numerous arching fronds from 3 to 4 feet long. 50c.

Nephrolepis Exaltata—The well known Sword Fern; elegant for baskets or single specimens. 25c.

Nephrolepis Duffii—A beautiful and distinct fern. The fronds are densely crowded, from 15 to 18 inches long, and crested; of easy growth, elegant appearance and compact growth. 25c.

Onychium Japonicum—One of the most useful and graceful ferns for cut flower work; very easy growth and very graceful. 25c.

Pteris Tremula—A strong, robust growing variety; one of the most graceful, popular, and useful; exceedingly easy to grow. 25c.

Pteris Serrulata—Grassy-like fronds; very hardy in its nature and exceedingly easy to grow. 25c.

Pteris Serrulata Capitata—Similar to above, except the ends of fronds are capped with a very pretty tuft, giving it a graceful and pretty appearance. 50c.

Pteris Cretico Albo Lineata—An easy growing fern with fronds of a leathery texture; bright green, with a distinct white stripe down the center; very attractive. 50c.

Pteris Sulcata—Very strong grower; elegant bold foliage of a soft, sulphury green color; fine for specimens. 50c.

Adiantum Rodophyllum

A most distinct and beautiful Fern; the fronds are densely crowded and attain a height of 12 to 15 inches. When first developed the young fronds are crimson gradually changing to a rosy green and then to a soft pale green. 50c.

Adiantum Formosum

The strongest grower of all, but of a coarse aspect compared to the more delicate varieties; very easy to grow. 25c.

Asplenium Fraxinifolium

A very strong, robust growing variety, with thick leaves of a leathery substance; fine for single specimens; foliage very large and handsome. 50c.

Asplenium Fabianum

An exceedingly pretty species, with a delicate habit of growth and very neat



FICUS ELASTICA

Platyserium Alcornae—(Elks Horn Fern)—A very handsome and distinct evergreen fern; succeeds well on block or in a basket. \$1.

Sitotobium Cicutarium—A fine strong growing variety for pot culture or vases; elegant foliage for cutting. 50c.

Ficus Elastica. (or RUBBER TREE.)

This is a popular house plant as it succeeds well with ordinary treatment, and its large foliage and erect form are much admired. The plants require plenty of light, and should never be exposed to draughts. Sponge the leaves often to keep them free from dust. Strong plants 75c. each.

Fuchsia.

The Fuchias, as all know, are elegant flowers, delicate in coloring and exquisitely graceful in form. When in full bloom they are a

most beautiful sight. The plants we offer are strong and thrifty, grown especially for summer and winter flowering, and may be trained in almost any desired form. They require a light, rich soil, sprinkle often and give plenty of light and air. The usual plan is to obtain plants, flower them in the house during the winter, and then consider them useless. This is all wrong. If you have any defective spot on the north side of the house that you wish to conceal during the summer, nothing will answer the purpose as beautifully as a Fuchsia. Put out the plants in early summer, sinking the pots a little deeper than the rim, and before the first frost remove the plants to the house, and they will make you glad all winter, and be ready for service in the garden in the summer. For single specimens, vases, window or veranda boxes, no plant we have to-day can compare with them in graceful appearance or beauty of bloom. In our northern country they succeed fine and no collection of plants, however small, is complete without a few of these favorites. 15c. each; large blooming plants 25c.

Avalanche—Double violet corolla; bright crimson sepals.

Aurora Superba—Single orange corolla with light salmon sepals.

Boule de Neige—Double white corolla, fine bright crimson sepals, tall growing.

Bella—Double carmine sepals, plum color corolla.

Beauty of Denmark—Pure waxy white sepals, well reflexed corolla delicate light pink, single.

Black Prince—Single tube, and sepals waxy carmine corolla, large open pink very free bloomer.

Carl Halt—Single corolla, crimson striped, white sepals; white.

Esmeralda—Double violet; plum colored corolla; sepals bright rose; very strong grower.

Earl of Beaconsfield—Single. The blooms are three inches in length; deep carmine corolla; sepals light rosy carmine.

Elm City—Double very dark corolla; sepals bright crimson; dwarf habit and very free blooming.

Mad. Van Der Strass—Double; very large flowers with large double pure white corolla; sepals bright dazzling red and well reflexed. A graceful and beautiful flower; excellent habit.

Mrs. Marshall—Single; a fine winter blooming variety with bright carmine corolla and pure white sepals; large flower.

New Mastodon—Double; rich deep violet corolla; sepals deep crimson; large flower.

Princess of Wales—Double; corolla creamy white; sepals crimson; dwarf habit.



STORM KING FUCHSIA.

NORTHERN GROWN SEEDS & PLANTS.

Storm King—Double; white corolla; sepals small and of a bright red; drooping habit; very free flowering.

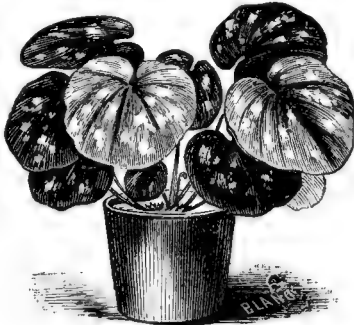
Speciosa—Single; corolla scarlet; sepals bluish; one of the very best blooming varieties for either summer or winter.

Snow Fairy—Double; pure white corolla; sepals bright pink; a strong grower and favorite wherever known.

Sunray—Single; corolla violet; sepals crimson; foliage a beautiful green and gold.

Farfugium Grande.

A first-class ornamental plant for pots, well adapted for house culture. The leaves are thick and leathery, dark green with yellow spots the size of a five cent piece. Quite hardy. 50 cts. each.



FARFUGIUM GRANDE.

Feverfew.

(or BRIDAL DAISY.)

A useful bedding plant flowering throughout the summer months, double white, daisy like flowers blooming in clusters. Price 1 c. each; \$1.00 per doz.



FEVERFEW.

Geraniums.

No class of plants is more generally cultivated than the Geranium. A group of scarlet Geraniums is a dazzling sight from June to November. Wherever we go where plants are grown in any part of the civilized world, we find the Geranium. At once useful and beautiful and entirely eclipsing by its mass of bloom and brilliant coloring, its more aristocratic and costly neighbors, where used in connection with Alternanthera, Coleus, and other foliage plants, they make an attractive display. The Geranium family is so extensive and varied that we have deemed it desirable to offer only the best varieties adapted for the North and West. Plants intended for winter blooming should be grown in pots through the summer and not be allowed to blossom. Geraniums to bloom well in the house require to be kept quite cool, and to have plenty of air.



GERANIUMS.

SINGLE.

Price 15c. each, \$1.50 per doz.; per hundred, our selection, \$10, except where noted.

Bruanti—See Specialties. 25c.

Conqueror—A clear, bright scarlet; strong grower; good bedding variety.

Chalomet Le Cour—Rich, vivid crimson; immense trusses.

Cosmos—Immense perfect formed trusses, color salmon with orange; a fine variety.

Gen. Grant—A superb bedding variety, with very large truss and brilliant scarlet flowers.

Gen. Lee—Blush white, carmine pink center; fine habit.

Gen. Sheridan—Dark scarlet, fine large trusses; dwarf habit and a grand bedder.

John Salter—Soft, rosy salmon white shadings; good bloomer.

Jealousy—Bright orange; an excellent bedding variety; very effective.

Jean Sisley—Fine, bright scarlet; white eye.

Kate Patterson—Fine large flower; orange and buff, light center.



Knott's White—Pure white; strong grower.

Loveliness—A soft, rosy salmon with light shading, fine trusses; an excellent variety.

Mrs. Beadsley—A soft, rosy salmon, with clear white center; very free blooming.

Master Christine—One of the finest pink Geraniums in cultivation; a free grower and great bloomer.

Mad. Quinet—Pure white, elegant foliage and strong grower. 20c.

Mary Hallock Foote—Immense trusses of bright pale salmon, with pure white eye.

New Life—The flowers are vivid scarlet, irregularly striped, with salmon and white, like a Carnation. Very free flowering; sports sometimes.

Pauline Lucca—Pure white; good habit. 20c.

Queen of the West—This is one of the best bedding Geraniums on the list; it grows very freely and blooms in the greatest profusion. Color, light orange scarlet.

Queen of Belgians—A beautiful, clear white, of the purest quality; fine trusses.

Queen Olga—The grandest pink Geranium grown; dark, velvety pink; elegant shape, with fine, clear, white eye; extra fine.

Sir Harry—Carmine scarlet, a seedling from Grant, which it resembles in style and habit of growth. It is a very free bloomer, and one of the best and most showy varieties we have for grouping.

Sam Sloan—A very fine velvety crimson; immense trusses.

White Perfection—A strong grower; white, with slight shade of pink; good bedder.

DOUBLE.

Admiration—A bright carmine crimson, very large flowers, fine trusses; a grand variety.

Asa Gray—Delicate salmon; fine free bloomer.

Alba Perfecta—A fine pure white variety, strong grower; fine large trusses.

Bishop Wood—A soft, rosy scarlet, shaded vermilion; good habit.

B. K. Bliss—Very large flowers, soft velvety crimson scarlet; a grand variety.

Belle Nancienne—Fine trusses of a soft rose color; center marked and shaded salmon carmine.

Depute Lafuze—A dark amaranth purple; fine strong grower, and a grand dark variety.

Emerson—Very large trusses of a delicate pink and salmon color.

Guillame Mangelli—An old, but elegant variety, upper petals rosy carmine, lower petals dark amaranth, very free bloomer.

Gustave Weldman—Plant short-jointed and free flowering; a beautiful apricot color.

Glory of France—Carmine and white, with carmine center; large flowers and trusses. 25c.

Heteranthe—Light vermilion red; immense trusses and one of the grandest bedding Geraniums grown.

Henry Cannell—Deep scarlet, very large flowers; fine bloomer.

Jewel—Very dark purplish crimson, small, button-like flowers very perfect; a pretty novel variety.

Mad. Gilbert—Beautiful pure rose color; fine habit.

La Favorite—See Specialties. 25c.

Mrs. Chas. Pease—Delicate pink color; upper petals marked white.

Mad. Thibaut—Flowers large, perfect in shape, of a rich rose pink, upper petals marked white; an excellent variety.

Mary Hill—Rich deep pink, large size florets; trusses fine and perfect.

Mad. Amella Baltet—Pure white, very free bloomer, dwarf habit—good bedder.

Naomi—Beautiful dark pink; fine habit.

Pink Perfection—A very deep pink; upper petals marked white; fine bloomer.

Richard Brett—Immense trusses of soft orange scarlet flowers; a fine bedder.

Summit of Perfection—A fine bright orange crimson; large flower and truss.

Scintillant—Bright dazzling crimson; very double, an elegant bedding variety, dwarf habit.

S. A. Nutt—Very large flowers, trusses immense; of a very rich velvety crimson color. 20c.

White Swan—Of the purest white, elegant shaped flowers; trusses very large, one of the best double white Geraniums in existence; extra. 25c.

New Geraniums—See Specialties.

Sweet-Scented—The fragrant Geraniums are treasures. For making bouquets and as a back-ground for buttonhole flowers they are indispensable. The leaves are beautiful as well as fragrant. Price 15c. each; \$1.50 per doz.

Rose—The old well known variety; two varieties, the coarse and fine cut leaf.

Shrubland Pet—Fine foliage, red flowers.

Nutmeg—An old and well known favorite.

Pepper-Scented—A strong scented rose variety.

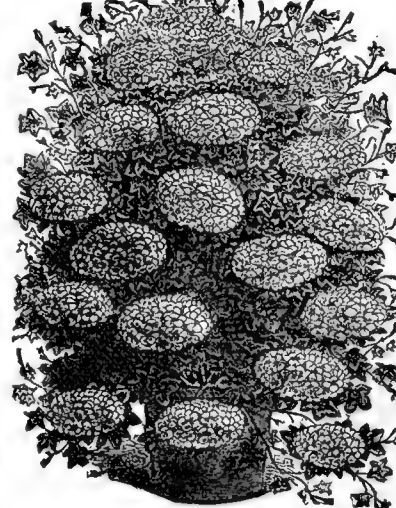
Lemon—Delicate foliage and perfume.

IVY LEAF.

This class has thick glossy ivy-shaped leaves, and the plants are of a drooping habit. They are excellent for baskets, vases and house-plants, and not undesirable for beds on the lawn. The blooms are beautiful and distinct, and they blossom with the greatest freedom during spring and summer. Price 20c. each; \$2 per doz.

Jean d' Arc—Flowers very large and double; of the purest white; fine spreading habit and free flowering.

Congo—Large compact truss; flowers round and very double, rose color, deeper shaded in center.



IVY LEAF.

Count Horace du Cholsel—Flowers of grand size, petals imbricated pale blush bordered with salmon; free flowering.

La Rosiere—Flowers of perfect shape, double and of good size; rich rose color of a lovely shade.

Spaulding's Pet—An excellent variety, of drooping habit and compact form; color soft cerise red.

Golden Tricolor—

These are much prized for the beauty of their foliage, which is very handsome. They are very desirable for culture in the house or conservatory. 50c. each.

Mrs. Pollock—Deep green leaf, with zone of bronze crimson, tinged scarlet on the edge, surrounded by a border of clear yellow.

Sunset—Similar to above with broader crimson zone.



GOLDEN TRICOLOR.

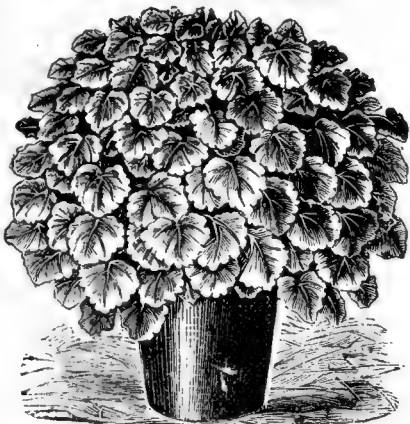
Glen Eyre Beauty—Deep green leaf with zone of pink and bronze, surrounded by a border of white.

NORTHERN GROWN SEEDS & PLANTS.

Silver Leaf—This class has marked leaves, the center being bright green and the edges silvery white. No plants make a better edging or border to a large bed. This is one of the most useful Geraniums, and makes an elegant plant for the house as well as the garden. 15c. each; \$1.50 per doz.

Mountain of Snow—A fine strong grower, center of leaf bright green with a broad margin of pure white; stands the sun well; flowers bright scarlet.

Mad. Sallerol—This is one of the finest and most beautiful little plants with which we are acquainted; dwarf, compact and bushy, rarely reaching a height of more than six inches; a thrifty, healthy grower; leaves very small, of a peculiar clear green, edged with pure white. Very fine for massing or bordering.



MAD. SALLEROL.

Bronze and Fancy Leaved—The leaves of the bronze Geraniums show the most beautiful shades of yellow and bronze or brownish red, the foliage being as handsome as flowers. 15c. each; \$1.50 per doz.



PELARGONIUMS.

Marshal McMahon—Ground color of leaves golden yellow, marked with a deep chocolate zone; flowers scarlet.

Prince Bismarck—Golden yellow leaves with narrow chocolate band.

Happy Thought—Margin of leaf very dark green, entire center a creamy yellow; flowers, magenta rose.

Distinction—Very dark green leaf, serrated edge with narrow dark chocolate zone, giving it a very unique appearance.

PELARGONIUMS

(or Lady Washington Geraniums.)

The flowers are large, with deep blotches on the upper petals, and bright spots on the lower. While in bloom during the months of May and June, they are very beautiful and ornamental. Price, 25c.



FRED DORNER.

Fred Dornier—A very free flowering variety of this beautiful class of plants, commencing to bloom about midwinter and continuing until July. Throat and edge of petal pure white; each petal shaded toward the center with rich carmine pink, with a glowing crimson blotch of which the two upper are the largest.

Fred Hehl—This new variety will flower 8 or 10 months in the year, and may be termed an ever-blooming Pelargonium. Flowers medium size, highly colored.

Gypsophilla Paniculata—A pretty hardy herbaceous plant, covered during the summer with large heads of fairy-like white flowers; valuable for cutting, can be dried and used for winter bouquets, 25c each; \$2.50 per doz.

Gloxinia.



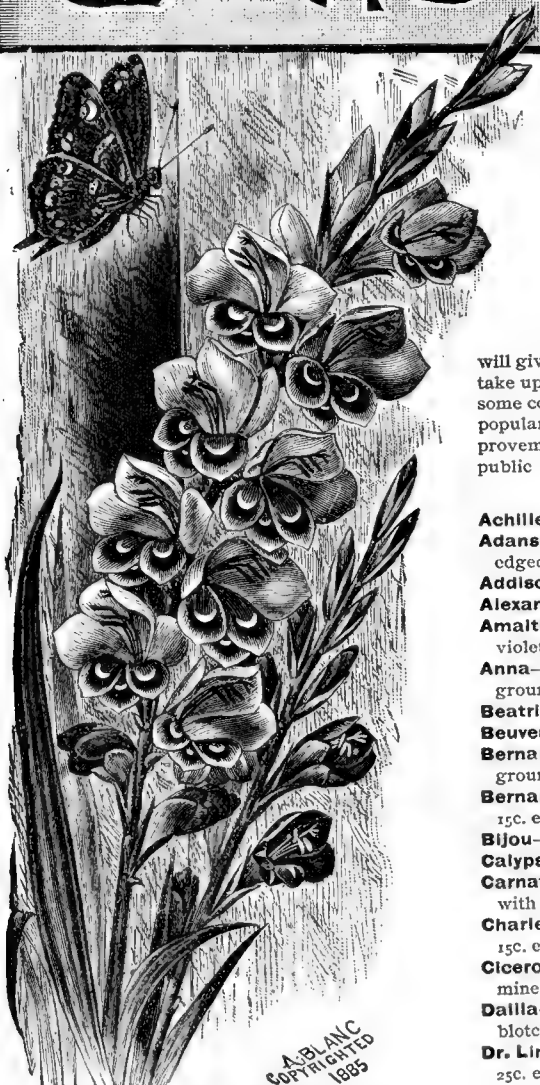
GLOXINIA.

Handsome green-house, summer-blooming plants, having a great variety of colors. Bulbs should be started in the spring in a warm place. They require partial shade and a liberal supply of water when growing. After blooming, water should be withheld, and the bulbs remain dry through the winter. 50c. to 75c. each.

Glechoma Hederacea Var.—See Specialties. 20c.



GLADIOLI.



Gladiolus.

The Gladiolus is the most beautiful of the summer or tender bulbs, having tall spikes of flowers, some two feet or more in height, often several from the same bulb. The flowers are of almost every desirable color, brilliant scarlet, crimson, creamy white, striped, blotched and spotted in the most curious manner. As cut flowers they are the most lasting of anything we know. By cutting the spikes when two or three of the lower flowers are open and placing them in water, the entire spike will open in the most beautiful manner. Plant the bulbs from six to nine inches apart and about four inches deep. Plant from middle of April to first of June. It is a good plan to plant at two or three different times, ten days or two weeks apart. This will give a succession of bloom from July to November. In the fall before hard frost take up the bulbs, remove the tops, leave to dry in the air for a few days and store in some cool place secure from frost until spring. The Gladiolus is becoming exceedingly popular in all parts of the world, and while no flower has shown such wonderful improvement in the twenty years past, none has shown such a rapid advancement in public favor.

GENERAL COLLECTION.

- Achille**—Beautiful currant-red, with white stripe in each petal. Price 25c. each.
- Adanson**—Rose, slightly tinged lilac; large blotch on white ground, tinged yellow; edged with carmine, flushed lilac. 35c. each.
- Addison**—Dark amaranth, with white stripes. 15c. each.
- Alexander**—Intense crimson scarlet. 15c. each.
- Amathel**—Pure white, with large violet-red blotch; ground of the corolla velvety violet, the lower petals slightly tinted with lilac. 15c. each.
- Anna**—Cherry, tinged with bright orange; lower petals striped dark carmine on white ground. 20c. each.
- Beatrix**—Pure white ground delicately flushed with carmine lilac. 40c. each.
- Beuvenuto**—Brilliant light orange red, white blotch. 25c. each.
- Bernard de Jussien**—Violet, shaded cherry and purple; purple blotch on white ground. 10c. each.
- Bernard Palissy**—Light cherry red, flamed and striped carmine rose, white blotch. 15c. each.
- Bijou**—Bright orange cherry, flamed with scarlet. 15c. each.
- Calypso**—Flesh colored rose, streaked rose and blotched carmine. 10c. each.
- Carnation**—Well expanded flowers of a fleshy white color, profusely tinged at the edges with the richest carmine; lower petals blotched purplish carmine. 30c. each.
- Charles Dickens**—Delicate rose, tinted with buff; flamed and striped carmine rose. 15c. each.
- Ciceron**—Flowers large and open, of a fine dark rose, tinged with violet-crimson carmine, flamed with bright carmine; throat white; a novel shade. 20c. each.
- Dalla**—Bright rose flowers, streaked and flamed with carmine; very large pure white blotch. 30c. each.
- Dr. Lindley**—Delicate rose, shading off to bright rose, flamed with carmine cherry. 25c. each.
- Meteor**—Very brilliant dark red, large pure white blotch; distinct. 20c. each.
- Phoenix**—Large flowers of a beautiful cherry rose color, flamed with a darker shade; pure white blotch and bands. 25c. each.
- Romulus**—Very brilliant dark red; large pure white blotch; large white lines on the lower petals. 15c. each.
- Rosita**—Tall spike; flowers of a very delicate satiny creamy rose color, blotched and marbled cherry carmine; well-shaped, fine. 25c. each.
- Sir Walter Scott**—Bright ruby rose; carmine veins on crimson ground. 25c. each.
- Ulysses**—Satin rose; beautiful shade. 50c. each.
- Elvire**—Pure white, flamed carmine; very delicate. 20c. each.
- Figaro**—Light orange-red, flamed with red; large pure white blotch. 15c. each.
- Flora**—Large flower; white ground shaded with rosy lilac; very large and distinct strain of rose color; very long spike. 30c. each.
- Grand Lilas**—Large perfectly arranged flowers of a beautiful delicate lilac, shaded darker towards the edges. 30c. each.
- La Candeur**—White, lightly striped with carmine violet. 25c. each.
- McMahon**—Satin orange colored, cherry rose, striped red. 10c. each.
- Macaulay**—Bright crimson, slightly tinged with violet; blotch dark carmine, center light and transparent. 50c. each.

NORTHERN GROWN SEEDS & PLANTS.

Vesta—Pure white, with purplish carmine blotch on yellow ground. 10c. each.

Zenobia—Rose, slightly tinted with violet, flamed with dark carmine; large white blotch feathered with carmine. 15c. each.

LEMOINES HYBRIDS.

This list comprises the best named varieties in cultivation. For vivid and orchid-like coloring they have no equal. Emblazoned with the most intense, burning and inexpressibly rich shades, they are truly wonderful. In the blotch, which is a remarkable and typical feature, the color reaches the climax.

Alsace—Large flowers, pale sulphur. 60c. each.

Cavaignac—Beautiful flowers, rosy salmon, lower petals sulphur, profusely blotched with maroon. 40c. each.

Henri Conscience—Long stalks, lilac rose; lower petals spotted with violet maroon, surrounded with yellowish white. 40c. each.

La France—Light salmon; velvety purple blotch on yellow ground. 60c. each.

Mars—Flowers perfect cherry color; lower petals blotched with blood red, surrounded with rose and sulphur; dwarf. 40c. each.

Rochambeau—Flowers large, salmon; lower petals salmon blotched purple. 25c. each.

Talma—Pale lilac, lower divisions violet brown. 60c. each.

SEEDLING GLADOLI.

These which we offer below are seed selected from the finest varieties in existence. The percentage of poor ones is extremely small, while that of the flowers of striking beauty is very large. Many of our seedlings are equal to the finest named varieties. They give the greatest satisfaction to all who have ever planted them. 75c. per doz., 50 for \$2.50, 100 for \$5.00.

UNNAMED GLADOLI.

Very fine mixed varieties of various shades of red. 50c. per doz.

Fine mixed varieties of light color and white. 75c. per doz.

Fine mixed varieties, assorted colors, 50c. per doz.

GLADOLUS SELECTIONS.

The list of Gladolus is so large that many persons cannot arrive at a just idea of the different kinds, and they find it very difficult to make a selection from descriptions alone. We feel confident that the following carefully prepared collections embrace all the many shades of color that go to make up a fine variety of colors. They have been selected with great care from blooming varieties and we can confidently recommend them to those who do not feel confident in their own judgment.

Those having a collection on hand we would advise them to get the higher priced sorts.

Collection No. 1—12 named varieties.....	\$1 00
" " 2—12 " "	2 00
" " 3—12 " "	3 00
" " 4—12 " "	4 00
" " 5—12 " "	5 00

Hydrangeas.

Beautiful half-hardy shrubs, growing best in large boxes or tubs, when they can be readily wintered in the cellar. The plants which we offer are extra large, and will be from 12 to 18 inches in height. Price from 25c. to \$1 each, according to size.

Otaksa—Large foliage of a deep green, bearing a profusion of deep rose-colored flowers in high trusses. New and very fine.

Thomas Hogg—A beautiful variety, with large trusses of pure white flowers. Very valuable for forcing in the winter.

Helianthus Multifloras Plenus.

This is truly a golden gem, a plant that should be in every garden, and one that will give entire satisfaction. The flowers are from three to four inches in diameter, as double as any double dahlia, and cover the plant from the ground to the top. Color a bright golden yellow. It is unsurpassed as a cut flower at a season when most other plants wilt and fade in a few hours, lasting fully a week or more. For effect in the garden it stands out boldly, and for mixed borders and fore-

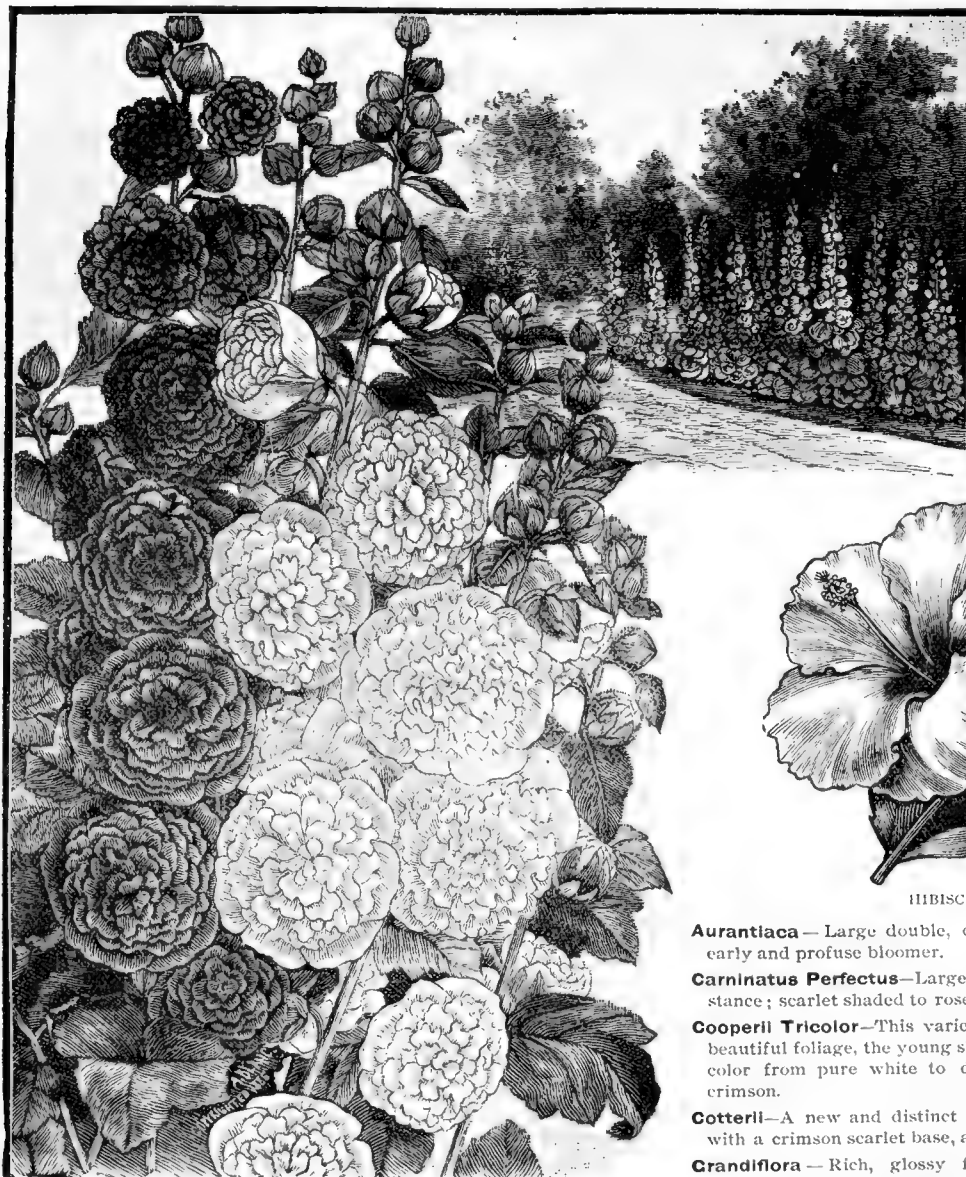


HYDRANGEA.

grounds to shrubberies (where it should be grouped in numbers) it is one of the most desirable plants, and should be in every collection. It should have a sunny position and rich soil. It is quite hardy, but requires a protection of coarse litter. Price 15c. each, \$1.50 per doz.



HELIANTHUS MULTIFLORUS PLENUS.



HOLLYHOCKS.

Hollyhocks.

There are very few plants in the world so grand, and yet so perfect and delicate as the Hollyhock. Its flowers are quite as double and almost as pure and perfect as those of the Camelia, and when we remember that they mass around a column from 3 to 5 feet in height, we get some idea of their beauty. Plants set out in the spring will flower about midsummer, and for several years if not allowed to bloom too freely the first year. We have excellent healthy young plants grown from seed, that if planted in the spring will flower the first summer, and usually for two or three years after. The plants may be protected during the winter with a little straw or evergreen

boughs or leaves. The colors are nicely assorted, so that almost every color from white to purple may be expected. 25c. each, \$2.50 per doz.

Hibiscus.

A class of summer-blooming plants that has attained great popularity the past few years. No plant grown today can compare with them either as single specimens in tubs or planted out in the lawn. They remain in bloom until nearly Christmas, and are as easily kept during the winter as an Oleander. We offer every deserving variety of these favorites. 25c. each, \$2.50 per doz.



HIBISCUS.

Aurantiac—Large double, orange colored flowers; an early and profuse bloomer.

Carninatus Perfectus—Large single flowers of great substance; scarlet shaded to rose, with crimson marking.

Cooperii Tricolor—This variety is mostly grown for its beautiful foliage, the young shoots having all the shades of color from pure white to deep crimson flowers, single crimson.

Cotterli—A new and distinct variety; flowers buff yellow with a crimson scarlet base, and peculiarly handsome.

Grandiflora—Rich, glossy foliage, blooming profusely through the summer, literally covering the plant with scarlet crimson single flowers.

Sub Violaceous—This is the largest flowering of the Hibiscus family; a beautiful bright shade of bright crimson, tinted with violet.

Rosa Sinensis—A strong grower with bright red, very large, single flowers; very profuse.

Rubra—Very large double flowers of a dark velvety crimson color. Fine bloomer, very effective.

Minneatus—A very handsome variety, with semi-double flowers of a brilliant vermilion scarlet.

Versicolor—Very large single flowers, beautifully striped crimson, rose and white.

NORTHERN GROWN SEEDS & PLANTS.

Heliotrope.



HELIOTROPE.

These plants are universal favorites on account of their delightful fragrance. They make handsome plants when bedded out, blooming moderately in the summer and in great profusion early in the fall. They are also very desirable for house culture, a single plant filling a whole room with perfume. Price 10c. each, \$1 per doz.

Mad. de Blonay—Pure white.

Queen of the Violets—A grand variety, of fine habit and a profuse bloomer; very deep violet purple, with large distinct white eye.

Pemvianum—The oldest variety grown; light lavender flowers, best for cutting.

Mad. Bruant—See Specialties. 25c.

known to cover a balcony 25 feet high and 40 feet wide in a single season. In our Northern country it is essentially necessary you should get very strong plants to start with, and having our customers' interest at heart, as well as to give satisfaction, we offer none but strong, healthy plants. 25 c. each, \$2.50 per doz.



Ivy.

Excellent for parlor ornaments and most desirable hanging-basket plants.

English—Well-known European variety. Price 25c. each.

German—These plants, which are not true ivies, but so called, are very rapid growers and most suitable for hanging-baskets and vases, for which they are unsurpassed. Price 10c. each.

German Ivy Variegated—See Specialties, 25c.

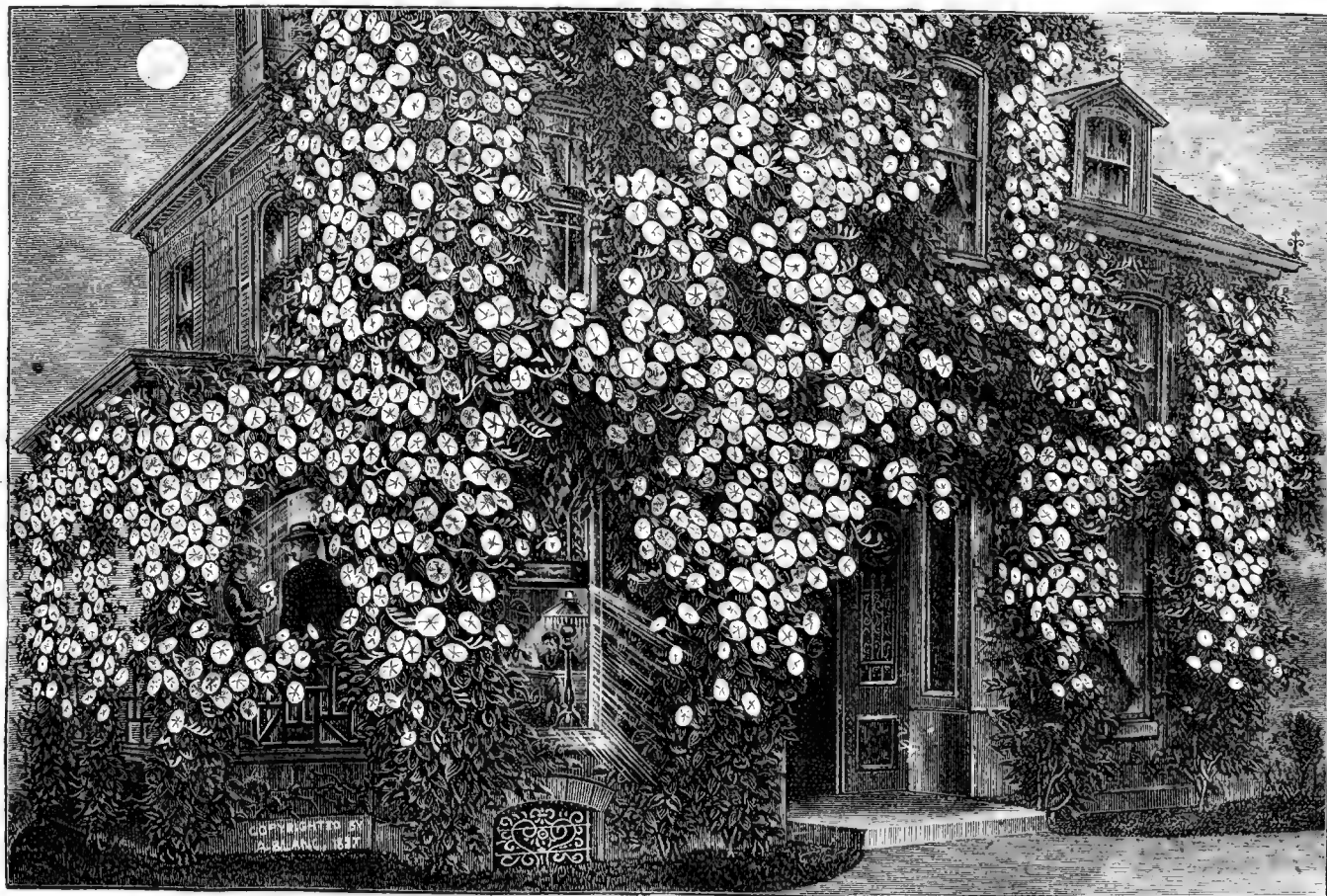
Ipomea Noctiphyton.

THE TRUE EVENING GLORY, OR MOON FLOWER.

This beautiful summer climber still maintains its hold as a general favorite. No climber we have today can surpass it. Its flowers are pure white, five inches in diameter, moon-like, and as they expand at night produce a striking effect. This wonderful plant has been

Impatiens Sultani.

This plant was introduced from South Africa. It grows freely and flowers profusely and continually, resembling somewhat a balsam in habit of growth and shape of leaf. The flowers are single, larger than a 25-cent piece, of the richest carmine magenta color. A grand bedding and house plant. 10c. each.



MOON FLOWER.



Iris Kämpferii.

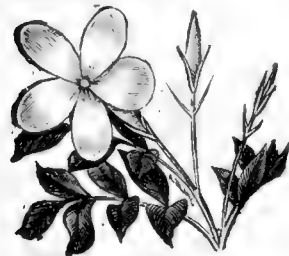
This Japanese Iris is an excellent addition to the list of hardy herbaceous plants, and should be planted in a somewhat cool moist situation. They are quite distinct from all the other varieties, and will compare favorably with some of the exotic orchids. Price, 25c. each, \$2.50 per doz.



IRIS KÄMPFERII.

Jasmine.

Jasmines are old-time favorites, grand house or garden plants. Their delightful fragrance make them favorites at once. Our variety embraces the gem of this class.



JASMINE.

Maid of Orleans—A very profuse summer blooming variety, with fine white double flowers, having a scent entirely different from the others. 50c.

All are elegantly scented.
Grandiflorum—Trailing habit; fine pure white, star-like flowers and bloom from September to January. 25c.

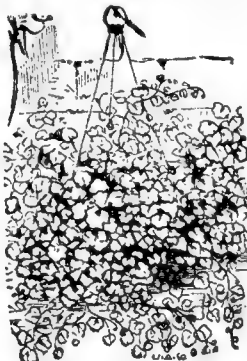
Grand Duke—This variety is easily grown, of a strong, upright, robust habit, and bears a profusion of very double creamy white flowers, very strongly scented, and blooms the entire summer out of doors. Each, 50c. to \$1.00.

Gardenia Florida, Cape Jasmine—Bright green, waxy foliage, very large double white flowers. 50c.

Linaria Cymbalaria.

(KENILWORTH IVY.)

A pretty drooping plant with small lilac flowers; very rapid grower and used largely for baskets, vases, etc. 10c. each; \$1.00 per doz.



LINARIA CYMBALARIA.



LOPHOSPERMUM SCANDENS.

Lophospermum Scandens.

A vine of rapid growth, with dark green foliage and rosy purple trumpet-shaped flowers; elegant for covering verandas, etc., or for baskets and vases. 15c. each; \$1.50 per doz.

Lonicera Aurea Reticulata.

Known as the Japan Honeysuckle. A fine ornamental climber, with beautiful gold veined foliage, on a dark green ground color, very attractive, hardy, with slight protection. 10c. each; \$1.00 per doz.

Lantana.

Exceedingly valuable plants for bedding out during summer, or for single specimens in pots. Sometimes called Tree Verbena. They thrive in our hot, dry sunny weather, when so many of our other plants suffer. Few plants bloom more profuse and continuously, or afford a greater variety of colors. Can be treated in winter same as an Oleander. Price 10c. each, except where noted.

Distinction—Rich orange yellow, fading into rose.

Colconda—Safron, changing to soft orange.

Hendersoni—Orange, changing to bright crimson.

La Neige—Pure white, with faint shade of lemon; very profuse.

Marmorata—Foliage mottled with yellow; flowers orange changing to rose.

Mme. d' Or—Clear golden orange.

Protu Rose—Amaranth and light orange.

Plule d' Or—Very clear, creamy yellow.

Rayonde Soleil—Rosy pink, changing to orange yellow.



LANTANA.

NORTHERN GROWN SEEDS & PLANTS.

Liliums.



LILY AURATUM.

Auratum, "Queen of the Lilies"—The flowers of this Gold Banded Lily of Japan are very fragrant, and are composed of six petals of a delicate ivory-white color, thickly studded with rich chocolate crimson spots; through the centre of each petal is a golden yellow band from which it derives its name. As the bulbs acquire age and strength, the flowers obtain their maximum size and number. Upward of 20 flowers have been produced on a single stem. It is perfectly hardy, and thrives best in a moderately dry, rich loam, and should be planted six inches deep. Price 50c. each; \$5 per doz.

Brownii—A magnificent variety with fine, large foliage; flowers very large, fine white inside, purple outside. The stamens are a rich chocolate color and form a very distinct feature in this species. \$1 each.

Candidum—The well-known hardy Garden Lily; snow-white, fragrant blossoms; one of the best varieties for forcing; an established favorite everywhere. 25c. each; \$2.50 per doz.

Day Lily—The Funkia, called the "Day Lily," is a very superb autumn flower, very desirable for planting on the side of a lawn or at the edge of shrubbery. It will increase in size and beauty every year. The plant has very showy foliage, prettily veined. Flowers are of various shades, from pure white to dark blue. 50c. each.

Japonicum Longiflorum—The well known, beautiful, snow-white, fragrant Lily, fine for forcing and handsome in the garden. 25c. each; \$2.50 per doz.

Lancifolium Album—Pure white and very fragrant. 50c. each; \$5 per doz.

Lancifolium Roseum—White, spotted with rose. 25c. each; \$2.50 per doz.

Lancifolium Rubrum—Rose, spotted with crimson. 25c. each; \$2.50 per doz.

Lancifolium Punctatum—White, spotted and suffused with light rose. 50c. each; \$5 per doz.

Superbum—Beautiful and rich as many of our native Lilies are, this far excels them all, bearing as it does a pyramid of yellowish red flowers, twenty to fifty in number; blooms early in July, and in good soil it will frequently grow to the height of eight feet. 15c. each; \$1.50 per doz.

Tigrinum—Orange salmon, spotted black. 15c. each; \$1.50 per doz.

The Lily is a favorite flower everywhere, a queen of flowers, and only the Rose can dispute its claim to queenly honors. It abounds everywhere, in the humid vale and on the lofty mountain top, and truly no earthly monarch was ever arrayed as one of these simple yet beautiful flowers. With few exceptions Lilies succeed in our gardens admirably, and continue to increase in strength and beauty for many years. They require deep planting, and should not be disturbed for several years. In nearly every case flowers will be obtained the first summer after planting, but it will be quite as well for the health of the plant if there is no bloom until the second season. In the North a covering of three or four inches of straw or coarse manure in the winter will be beneficial, but should be removed early in the spring to prevent too rapid growth. The ground should be thoroughly drained.

Harrisii (Bermuda Easter Lily)—This beautiful Lily was introduced five years ago from Bermuda, and no other variety of lily is now so popular. The flowers are large, trumpet-shaped, pure waxy white and of most symmetrical beauty. The ends of the petals are most gracefully recurved. The fragrance is delightful. It is the most valuable and popular variety in cultivation for winter blooming, many thousands being grown each season for church decoration at Easter. By starting a few bulbs at intervals of three to four weeks a succession of bloom may be had for a long time. It frequently produces 30 flowers on a single plant, and has the valuable peculiarity of flowering two or three times in succession without rest, so it might really be termed an ever-blooming lily. 50c. each; \$5 per doz.

Tenuifolium—One of the most charming of all Lillies; no words can adequately describe the elegant appearance of the flower and foliage. The wax-like petals are beautifully reflexed; the dazzling vermilion flowers suspended fairy-like on graceful stems above and among the glossy, narrow foliage are simply exquisite. They are so bright that they attract attention at a great distance, and blooming in early spring enliven the surroundings when flowers are scarce. The bulbs are perfectly hardy and grow very easily. Plant them in a loose sandy soil, avoiding a place where water stands during the winter. Price 30c. each, \$3 per doz.



BERMUDA EASTER LILY.



CALLA.

same as the hardy varieties. Price 25c. and 50c. each.

Calla or Richardia Ethiopica

—The well known Lily of the Nile, or Egyptian Lily, with large white flowers and upright spear-shaped foliage; one of our finest house plants. Requires plenty of water; blooms generally at Easter, but can be made to flower at almost any season of the year. Price 25c., 50c. and \$1.00 each.

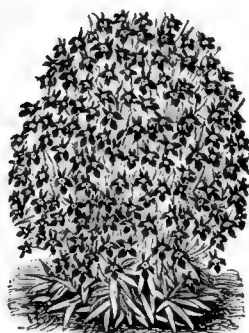
Spotted Calla—Richardia Maculata—A summer blooming variety similar to above in flower, but the foliage is a dark green, beautifully spotted with white. This variety dies down to the bulb during the winter.

Lycopodium.

Admirably adapted for Warden cases and ferneries, requiring partial shade and moist atmosphere. Collection of twelve sorts. Price 10c. each, \$1.00 per doz.

Lobelia.

Pretty summer blooming plant suitable for baskets or edgings of flower beds. They are a constant mass of flowers from early spring until frost. We offer the finest sorts only. Price 10c. each, \$1.00 per doz.



LOBELIA.



MAURANDIA.

Maurandia.

The most graceful and free flowering of soft wooded climbers, producing an endless profusion of beautiful foxglove-shaped flowers throughout the season. Fine for greenhouse, parlor, baskets, vases or verandas. Set out in the border with a little frame to which to attach their tendrils, they will be loaded the entire season with their fine flowers.

We offer these colors white, blue and rose, price 10c.

Madeira Vine.



MIGNONETTE

A well known beautiful climber* with thick, glossy, light green almost transparent leaves, climbing 20 feet or more and twining in any desired form. Flowers white, small, in long racemes. Excellent for training on a porch, over a window, or in any place where you desire a beautiful green. Price 15c. each; \$1.50 per doz.

Mignonette.

A well known, delightfully fragrant, hardy annual, blooming throughout the entire season in the flower border; also fine for pot culture during winter and spring. Price 10c. each; \$1.00 per doz.

Myosotos.—"Forget-me-not."



MYOSOTOS.

A charming, constant blooming plant, requiring plenty of water and a partially shaded situation; valuable for cut-flower purposes. Price 10c. each; \$1 per doz.

Mesembryanthemum.

Elegant low-trailing plants for design beds, baskets, vases, etc.; of very rapid growth.

Glabrum—Green foliage, reddish violet flowers; known as the Dew Plant.

Cordifolium Variegata—For design beds it is almost impossible to get along without this variety. Foliage green and white or light gold, changing during the season to almost an ivory white. Price 10c. each; \$1 per doz.

Musa Cavendishii.

This is the true dwarf growing Banana. A fine plant for decorative, lawn or house purposes; its massive foliage and elegant habit makes it a great favorite. Try one for your lawn and you will be pleased with it. Price \$1 each.



MARGUERITE.



NIEREMBERGIA.

Marguerite.

Also known as Paris Daisy. We grow only the white variety, with dark eye, this being the most popular for cut flower purposes. It blooms continuously all winter, and is a fine house plant. Price 10c. each; \$1 per doz.

Nierembergia Gracilis.

An elegant plant for vases, windows, boxes, etc.; of graceful habit of growth, and bearing at all times a great profusion of lavender flowers resembling a Petunia. Price 10c. each; \$1 per doz.

Oleanders.

A well known class of plants, flowering nearly all summer. They attain a great size and make splendid specimens for tubs. 25c. each.

Rosea—Semi-double, pink flowers; the oldest variety grown.

Madoni Grandiflora—Beautiful, semi-double, pure white flowered, very free blooming.

Othonna.

A charming basket plant, with cylindrical leaves and pretty star-shaped, yellow flowers, blooming almost constantly. Habit drooping and should be always grown in a hanging pot, basket or on a bracket. Its foliage is fleshy but delicate and graceful, and makes a rapid growth, drooping several feet below the basket. 10c. each.

Pilea.

Beautiful plants with small leaves and neat growth; fine for pots, baskets or bedding out. 10c. each, \$1.00 per doz.

Serapollia—The well known Artillery plant.

Reptans—Dwarf, bushy, creeping growth for edgings of beds.

NORTHERN GROWN SEEDS & PLANTS.

Pansies.

The Pansy is a popular flower with both florists and amateurs, giving abundance of bloom until after severe frosts, enduring our hard winters with safety and greeting us in the earliest spring with a profusion of bright blossoms. It will flower better in the middle of the summer if planted where it is somewhat shaded from the hot sun, and especially if furnished with a good supply of water, but in almost any situation will give fine flowers in the spring and autumn. Nothing can be more effective, whether grown in beds, ribbons, groups, or interspersed among other plants in the border. It is also admirably adapted for pot culture for the decoration of the conservatory during the winter and spring months. Mixed colors. Price 10c. each; 75c. per doz.



PANSIES.

Pysianthus Albus.

A climbing plant of very rapid growth, and attains a great degree of perfection in this climate. Two or three plants in a box or bed will soon envelope their support with an intricate mass of foliage, studded with its star-shaped white flowers. It is sometimes called the cruel plant, from the habit of its flowers closing down upon any insect that disturbs them. It is also elegant for baskets and vases. 15c. each; \$1.50 per doz.

Primula.

(CHINESE PRIMROSE.)

Few house plants afford better satisfaction than this. It requires to be kept cool, a north window suiting it best. Care should be taken



PRIMULA.

in watering that no water falls on the buds, as it causes them to rot. In the summer they can be turned out into a shady border. The plants should be divided if wanted for the next winter, put into small pots and kept shaded until well rooted; then as they grow, repot, using a size larger pot. We offer single varieties only. 25c. each.

Passion Flowers.

A beautiful class of rapid growing, climbing plants, well adapted for house culture in winter, or for training over porches, etc., during summer.

Constance Elliott—This new hardy Passion Flower is an elegant climbing vine. Commences to bloom when quite small, and continues during the season. The flowers are large, remarkably handsome and attractive, and highly perfumed. Color, pure ivory white, with raised center. Hardy in open ground if given a light covering of leaves or litter during winter. Makes a fine window plant and is valuable for cemetery, etc.

Passiflora Empress Eugene—Purple, and white center; very large foliage.

Passiflora Coerulea—Blue. 15c. **PASSIFLORA CONSTANCE ELLIOTT.**





Palms.

This species of plants has almost jumped, so to speak, into popular favor the past few years. They are without doubt the par excellence of decorative plants;



COCUS WEDDELLIANA.

nothing can exceed in beauty or graceful appearance a few Palms scattered on the lawn or placed in the window. They require plenty of water, the foliage frequently washed or syringed, and that is all the care they need; any temperature suits them but actual freezing. The foliage is massive and they are of slow growth, but well kept plants become more valuable every year, hence they are a source of beauty as well as profit.

Cocos Weddelliana—This is undoubtedly the most graceful Palm yet introduced to our collection; the stem is slender, the leaves long and beautifully arched; the leaflets or pinnae are very fine, deep green above, white below. Native of Brazil. \$1.00 to \$2.00 each.

Kentia Australis—Of exceedingly graceful dwarf habit, the leaves being pinnate, finely divided and elegantly arranged and of a beautiful dark green; well suited for table decoration. Native of Lord Howe's Island. Each, from \$1.00 to \$5.00, according to size.



KENTIA AUSTRALIS.



PHOENIX RUPICOLA.

Kentia Belmoreana

—This fine Palm is a valuable addition to our collections. Its leaves are pinnate, dark green and so beautifully crisp, as to gain for it the name of the "Curly Palm." It is very elegant and graceful in habit. Native of Lord Howe's Island. Each, \$1.00 and upwards.

Phoenix Rupicola

—A very elegant and distinct Palm, with long, pendant, arching, pinnate leaves,



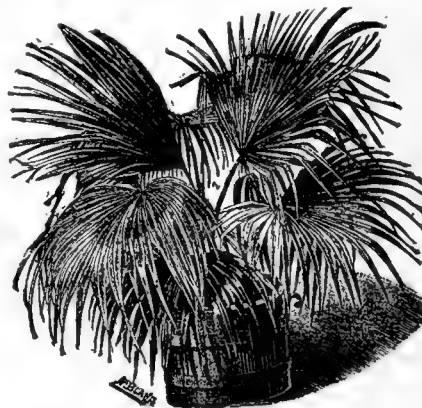
PHOENIX RECLINATA.

clothed slightly with brown filaments. This species is well adapted for table decoration and being a greenhouse plant stands well. Each, from \$1.00 upwards.

Phoenix Reclinata—A large, attractive Palm, of beautiful, reclinate foliage. Each, from \$1.00 upwards.

Areca Lutescens—One of the most valuable and beautiful palms in cultivation; bright glossy green foliage, and rich yellow stems. Price each, from 50c. upwards.

Latania Borbonica—The most desirable for general cultivation; especially adapted for the center of baskets, vases, jardinieres, etc. Price each, from 50c. upwards.



LATANIA BORBONICA.

Seaforthia Elegans—One of the very best for ordinary purposes. Of graceful habit, and rapid, easy growth. Price each, from 50c upwards.



SEAFORTHIA ELEGANS.

Price of specimen plants of the above varieties given on application

NORTHERN GROWN SEEDS & PLANTS.



POMEGRANATE.

count of their beautiful shades of blue, a color by no means too common among our flowering plants. Price 15c. each.

Larpentæ—Dwarf; indigo blue; fine for bedding out; quite hardy.

Capensis—Very pretty plants, producing large heads of light blue flowers. This is an elegant plant for vases.

Capensis Alba—See Specialties. 25c.

Pomegranate.

Beautiful plants of symmetrical growth which can be advantageously used for bedding or pot plants, blooming profusely from July to October. Flowers bright orange scarlet. Plants should be removed to the cellar in the fall and remain dormant until spring. Price 25c. each.

Plumbago.

A class of plants admirably adapted for bedding and summer flowering. They are very desirable on ac-

lowing varieties are entirely new, selected from a bed of many thousands of seedlings which were the admiration of every person who was so fortunate as to see them the past season. Price 15c. each, \$1.50 per doz.

Acquisition—Very fine form, bright crimson lilac edged white, fine robust habit, a good bloomer.

Belle of Minnesota—Very large white veined crimson, with delicate tint of lavender.

Defiance—White with a delicate tint of carmine running through the entire flower; finely fringed.

Emma Stone—Very dark velvety crimson; fine form, immense size.

Elevation—See Specialties, 35c.

John May—Bright carmine lilac, finely fringed, immense size and well formed flower.

Itasca—Base of petals velvety carmine, tipped white, beautifully fringed.

Mrs. C. D. Coleman—White, fine formed, elegantly fringed.

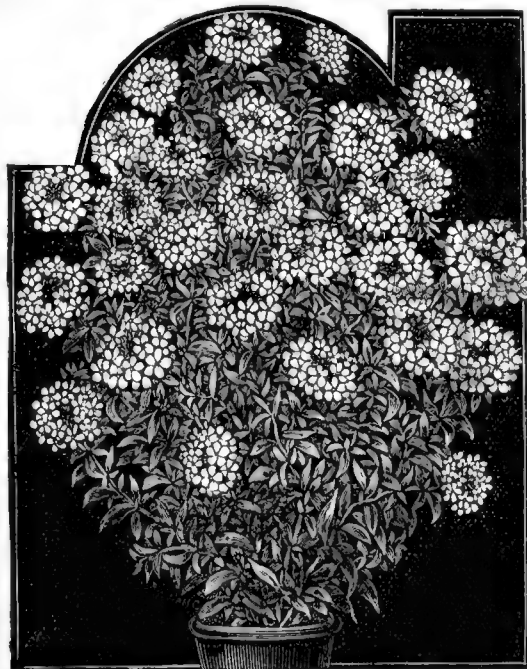
Minnehaha—Clear white, beautifully fringed, some of the petals have a delicate lilac base, very distinct.

North Star—Very dark velvety lilac crimson, beautifully fringed, large flower.

Peerless—See Specialties, 25c.

Summit Beauty—Bright carmine tinted and edged white, fine form.

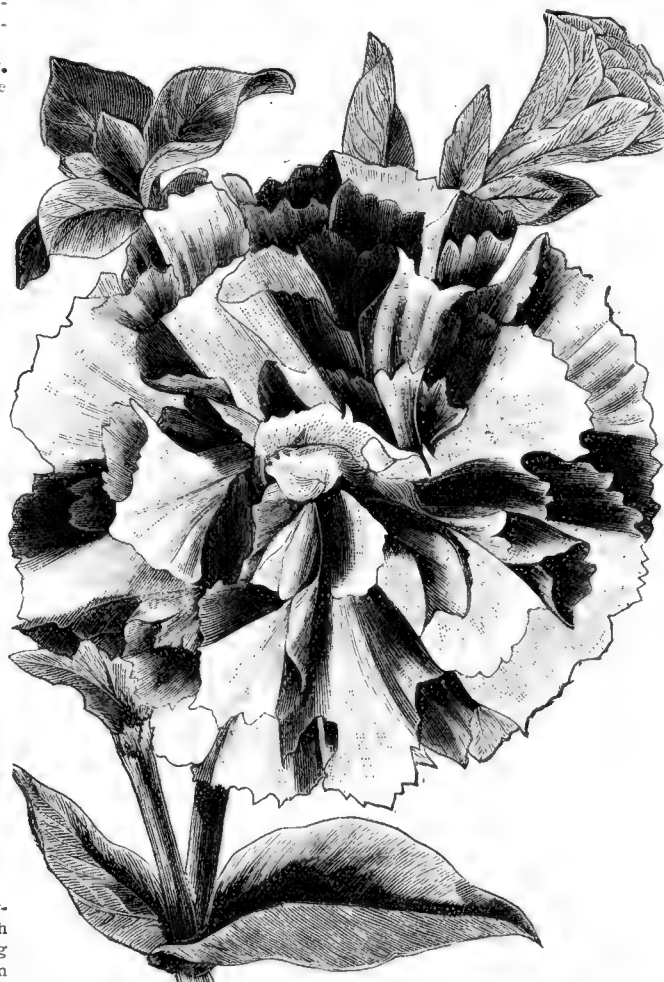
New Set—See Specialties, 50c.



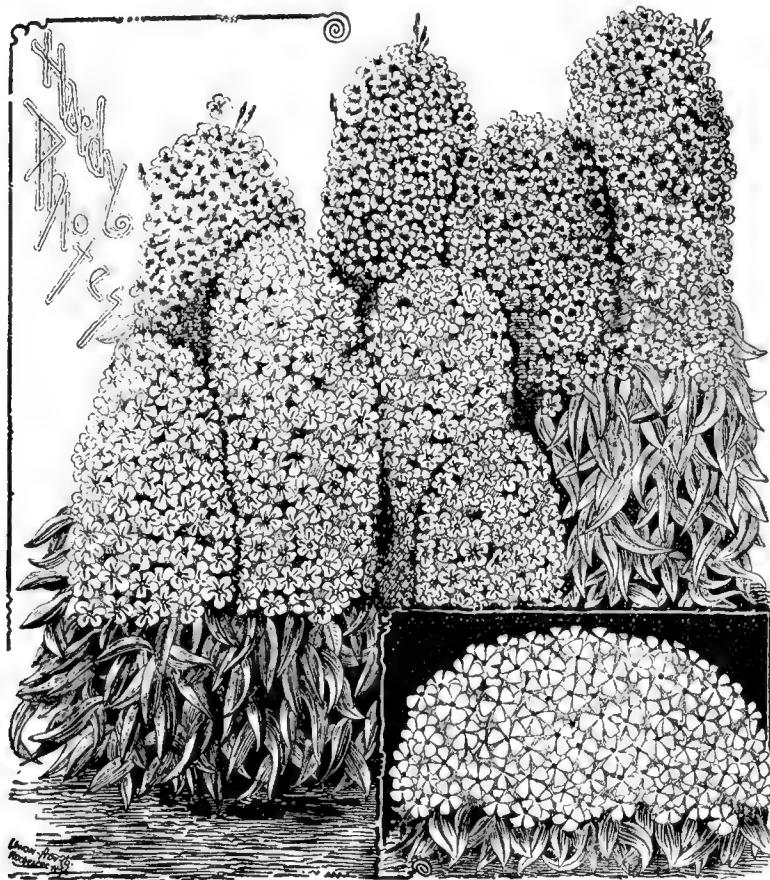
PLUMBAGO.

Petunias.

A highly ornamental and profuse flowering, easily cultivated garden favorite. The brilliancy and variety of its colors, combined with the duration of its blooming period, render it invaluable for planting out in beds or mixed borders. As a border plant, in our northern climate, they attain a degree of perfection seldom equaled. The fol-



DOUBLE PETUNIA.



PHLOX.

Phlox.

No plant that we know of can surpass a bed of these summer blooming favorites. Combining almost every shade of color with their massive spikes of elegantly formed flowers, which render them a striking object in a lawn or city garden.

They are perfectly hardy requiring no care whatever. No single bed of flowers planted in our specimen garden could compare with the following varieties of Phlox when in full bloom the past season. They are undoubtedly the plant for the masses in this northwestern country. No garden, however small, should be without one bed at least of these plants. They commence blooming about July first and continue to bloom until checked by a severe frost. The following list comprises the very choicest selection from our one hundred sorts. 15c. each; \$1.50 per doz.

Andre Leroy—(Lemoine.) Clear rose, with a lively red center, covering half of the flower; panicle large, distinct and fine; tall.

Darwin (Lemoine.)—Large, perfect flowers, reddish violet.

Emperor of the Russians—Bright rosy lilac; edges of petals fringed; distinct and fine; medium height.

Francois Coppee (Lemoine, '76)—Large, creamy white flower, with a carmine rose center; tall.

Gambetta (Lemoine)—Rose; vivid red eye; a splendid sort; tall.

Gloire de Puteaux—Rosy lilac; distinct white center.

L'Avenir (Fontaine.)—Salmon red; very fine; tall.

Lothalr—Rich salmon color; crimson eye; large flower and spreading spike; the finest variety we have seen.

Madame Audry—Crimson purple; medium height.

Madame Kæmpler—Red, large truss.

Madame Lechurval—Silvery rose; crimson eye; very fine. 30c.

Phocoon (Malet, '74)—Lilac rose, with carmine eye; large panicles and large flowers; a superb variety.

Premiere Ministre (Lemoine)—Rosy white, center deep rose; very fine.

Princess Louise—White, suffused with crimson; carmine eye.

Queen of Whites—White flowers, dwarf, fine.

Vierge Marie (Debauvais.)—Pure white; very large and of a beautiful waxy texture; tall.

Russelia Juncea.

A splendid plant for baskets, window boxes or vases. The foliage is of a grassy nature, very graceful in its manner of growth and covered during summer with pretty bright scarlet tube-shaped flowers. 10c. each; \$1.00 per doz.

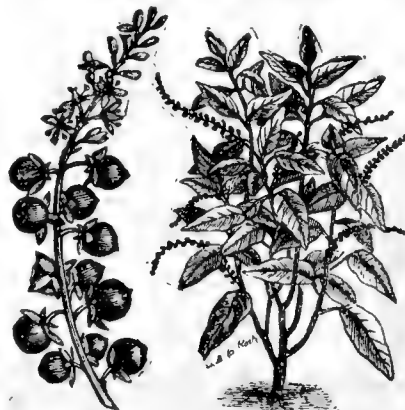


PANDANUS.

Pandanus.—Screw Pine.

Utilis—Called Screw Pine from the arrangement of the leaves on the stem. Excellent for the center of vases and baskets, or grown as a single specimen; a beautiful plant. Price each from 50c. upwards.

Velthei—This is one of the most attractive plants; the leaves are light green, beautifully marked with broad stripes and bands of pure white, and gracefully curved. Price each from \$1 upwards.



RIVINIA HUMILIS.

Rivinia Humilis.

A beautiful-house plant covered, at all times with racemes of white flowers, followed by bright scarlet berries. Very easy to grow, and exceedingly ornamental. 15c. each; \$1.50 per doz.

NORTHERN GROWN SEEDS & PLANTS.

Reineckia Carnea fol. var.

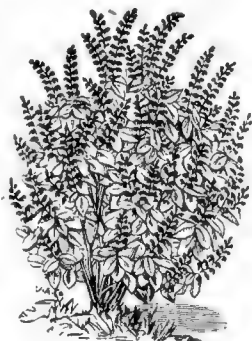
A dwarf growing plant of elegant appearance, with small spikes of lily-like flowers; foliage striped green and gold; fine for baskets or single specimens. 15c. each; \$1.50 per doz.

Salvia.

Most elegant bedding plants of easy culture, attaining the height of 2 to 3 feet; flowers very brilliant; attractive at a distance; generally planted in clumps, on lawn borders and in centers of small beds. Plants can be taken up in fall while in bloom and kept so until January. They are also fine for pot culture in the house. Price 10c. each, \$1.00 per doz.

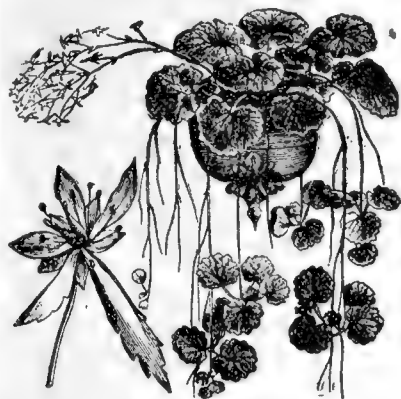
Splendens—Scarlet sage; bright, dazzling scarlet.

Officinalis Tricolor—Variegated foliage; fragrant; very pretty.



SALVIA.

Saxifraga Sarmetosa.



SAXIFRAGA SARMENTOSA.

ers, it has no equal, its hard texture enabling it to keep for several days without wilting after being cut. It is also fine for parlor or window culture. 10c. each \$1.00 per doz.

Sedum Azoideum.

Foliage variegated. A very pretty close growing plant for vases, rockwork, or bedding out foliage; beautifully striped green and gold. 10c. each \$1.00 per dozen.



SEDUM AZOIDEUM.



STEVIAS.

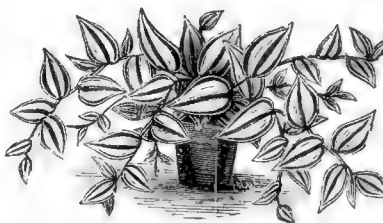
Stevias.

Fine winter blooming plants with fine white flowers blooming in spikes 12 to 18 inches long; much used by florists for winter bouquets and cut flowers. 15c. each, \$1.50 per doz.

Serrata—Green foliage.

Serrata—Foliage variegated; green and white foliage, very fine border plant for ribbon beds; when trimmed close during summer a fine winter bloomer.

Tradescantia, or Wandering Jew.



These are fine plants for hanging baskets and vases or for potting in the house, having beautifully marked foliage and caduring almost any hardship if liberally supplied with water. Price 10c. each, \$1.00 per dozen. except when noted.

Zebrina—Dark green leaves with silvery stripe.

Repens—Green foliage.

Repens, Variegated—Green and white foliage.

Multicolor—Carmine green and silvery, very fine. 15c.

Discolor—Strong upright growing plant resembling a Dracena; fine for decorative purposes. 25c.

Smilax.

A popular and well-known climber, having the rare qualities of delicate and tolerably dense foliage and vining habit, admirably adapting it to climbing or drooping as may be required. For using as a green with cut flowers,

Tropæolum.

Very elegant and beautiful climbers, flowering most profusely; admirably adapted for greenhouse or conservatory decoration especially during the winter months. Also useful for covering verandahs, trellis and rustic work out of doors. They are almost constantly in bloom, and do best in poor, rocky or sandy soil.



TROPEOLUM.

TALL GROWING VARIETIES.

Lucifer—Dark, crimson scarlet, medium sized flower.

Spitfire—Light scarlet, medium sized flowers.

King Theodore—Very large flowers, dark velvety crimson.

Major—Mixed.

DWARF, OR BEDDING VARIETIES.

Empress of India—Very dwarf and compact; foliage dark, purplish green; flowers deep crimson.

King Theodore—Similar to above, but darker flowers.

Minor—Mixed.



Torenia.

The Torenias are among the prettiest summer plants for vases or hanging baskets. The flower is sky blue, dotted with three dark blue spots, has a bright yellow throat and is an exceedingly free bloomer. Price 10c. each.

Tuberose.



The Tuberose is a beautiful pure white wax-like very sweet scented double flower; growing on tall stems, each stem bearing a dozen or more flowers. In cold latitudes, obtain tubers early, plant them in boxes of earth, and keep in a warm place in the house; when warm weather transplant to the garden. Those who want this beautiful flower in the early winter can plant a few bulbs in pots in July or August, sink them to the rim in earth in the garden, where they can remain until the cool nights of autumn, then remove to the house. Price 10c. each; \$1. per doz.

Pearl—The value of this over the common variety consists in its flowers being of double the size, imbricated like a rose, and its dwarf habit, growing only from 18 inches to 2 feet in height.

Italian, or Tail Crowing—The old variety; very reliable.

Tritoma.—Red Hot Poker Plant.

A most interesting plant that ought to be in every garden. The flower stems grow from four to five feet in height surmounted by a spike of curious red and orange, a foot in length, giving it somewhat the appearance of a heated bar of iron; hence it is vulgarly called Red Hot Poker Plant. It continues in bloom from July to October. Grown either singly or in masses it produces a striking effect. Roots, price 15 cents each.

Violets.

Of all delightful perfumes that of the Sweet Violet is the most delicate and pleasing. If grown in the house for winter flowers they should be kept at a low temperature, as they will not bloom freely where it is too warm. If left in the open ground during winter, they should be protected with a covering of leaves. Price 15c. each, \$1.50 per doz.

Marie Louise—Well-known double variety, light blue, very fragrant.

Madam Millet—New, double, distinct reddish purple, the first of this shade found in the violet.

Victoria Regina—A new single flowering variety, with large dark purple flowers; a very profuse bloomer and fragrant.

Vincas.

One of the most showy bedding plants grown and when once known will gain in popularity. They stand almost any kind of hot weather, either damp or dry, and are never out of bloom from early spring till frost. 15c. each, \$1.50 per doz.

Alba—Pure white
Alba Oculata—White, crimson eye.

Rosea—Rose, dark eye.



VINCA.

Vinca Major—Drooping plants much used in vases and baskets. They are among the best and hardiest of our small plants for the purposes designated.

Major Variegata—A beautiful variegated trailing plant, admirably adapted for hanging baskets and vases; leaves glossy green, broadly margined creamy white; flowers blue.

Aurea—Leaves greenish yellow.

Verbeña.

These popular bedding plants are of the easiest possible culture, flowering continuously from spring until freezing weather. Very few plants make a more gorgeous display during the hot summer months or furnish more flowers for cutting. One plant will cover a space three feet in diameter. Pinch the plants back to make them bushy, and carefully pick off all old flowers and seed pods, as they detract from their blooming qualities.

Apple Blossom—Lovely shade of light pink; large flower.

Black Hawk—Very dark velvety maroon.

Beauty of Oxford—Deep pink; very large flower.

Charm—Crimson maroon; large white eye.

Canobia—Bright crimson; large white eye.

Damson—Rich purple mauve; clear white eye.

Garnet—Violet maroon; white eye.

Gen. Custer—Dark scarlet; white eye shaded with dark maroon.

Gem—Brilliant scarlet; large white eye; perfect flower.

Miss James—Delicate blush, flaked with a rich pink.

Miss Coe—Rosy amaranth; large white eye.

Maltese—Clear lilac.

Pearl Giant—White; immense trusses.

Saphire—Light blue; white eye. 10c. each; \$1.00 per doz.

NORTHERN GROWN SEEDS & PLANTS.

FERTILIZERS.

NOTE—On all Fertilizers and Insecticides, if to be sent by mail, 8 cents per lb. must be added.

May's Lawn Enricher—Beware of imitations. To have a perfect lawn, the ground must be in perfect condition, and to bring it to that perfection, good fertilizers must be used. To make a beautiful green lawn without manure is an impossibility, this we have learned by our long experience in the laying out of grounds. We now offer our patrons the only lawn fertilizer we have found beneficial, and feel confident that it will give full satisfaction. Quantity to be used, 10 lbs. will be sufficient for 300 square feet, either on old or new lawns. Prices: 5 lbs., 30c.; 10 lbs., 50c.; 20 lbs., \$1.00; 50 lbs., \$2.00; 100 lbs., \$4.00. Special prices for larger quantities can be had on application.

Pure Ground Bone—This is well adapted for general fertilizing purposes. We offer a very fine quality and quite pure. Prices per barrels: 218 lbs. \$5.00 per bbl.

Crushed Bone—Moderately coarse and very useful in the cultivation of vines, small fruit and trees; perfectly pure. Price per 100 lbs., \$3.00.

Pure Bone Meal—This is ground very fine and for mixing with soil for potting or bedding purposes is extremely useful, the proportion generally used is 5 per cent, meal to 100 pounds soil. It is also an excellent top dressing for lawns. Price 1, 2 and 5 lb. packages, 10c. per lb.; per 10 lb. package, 80c.; per 25 lb. package, \$1.50. Quantities of 50 and 100 lbs. and over, 4c. per lb. and \$60 per ton.

Peruvian Guano—A natural fertilizer brought from the coast of Peru, where it is to be had in abundance, as a fertilizer it cannot be too highly recommended. Price 1 to 10 lbs., 10c. per lb.; 25 lb. bag, \$2.00, and 200 lb. lots, 4c. per lb.

Bowker's Food for Flowers—The best fertilizer for house plants. Clean to handle and perfectly odorless, it produces a rich, green growth and profusion of flowers if used according to directions which accompany it. Small pkts. 15c. or by mail 20c. Large package, enough for twenty plants for one year, 30c.; mail 40c.

INSECTICIDES.

Fir Tree Oil—This new insect destroyer has proved to be one of the most reliable for red spider, green fly, mealy bug, scale, ants, thrip, onion fly, caterpillars, slugs, blight, etc.; dilute with water and apply with ordinary or bellows syringe, or by dipping the plants in. Price, 1/4 pint, 50c., pint, 75c., qt., \$1.50; 1/2 gal., \$2.75; gal., \$5.00.

Powdered White Hellebore—For rose slugs, currant worms, etc. Dust on with gun or bellows while the foliage is moist. Price, 50c. per lb.

Whale Oil Soap—Makes an excellent wash for trees and plants, kills insects and eggs on the bark. Price per lb., 20c.; 2 lbs., 35c.; 5 lbs., 75c.; 25 lbs. and over, 10c. per lb.

Tobacco Stems—For smoking plants infested with green fly, etc. Dampen before lighting. Price, per bale of 50 lbs., \$1.25, bale of 100 lbs., \$2.00.

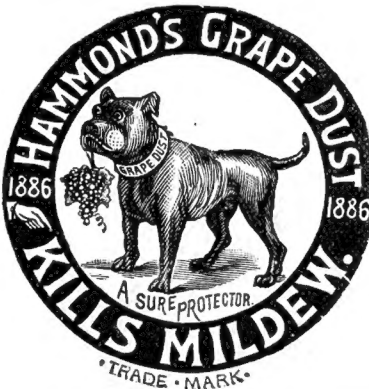
Tobacco Dust—Kills green and black fly, etc., if dusted or blown on the foliage while moist. Price, per lb., 10c. We also have a coarse article, for sprinkling on the ground. It drives away insects in the earth and is an excellent fertilizer. Price, per bbl., \$3.00.

Slug Shot—Hammond's Celebrated Slug Shot is guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice, and worms, flea beetles, and striped bugs on melons, squash, turnips, beets, onions, etc. Canker worms and caterpillars on fruit and ornamental trees. A preventive of the rose bug and cut worm. 10c. per lb.; 5 lbs. for 40c.



TRADE MARK.

Grape Dust—A powder for fighting mildew and blight. This preparation has been used successfully over all degrees of latitude, embracing the zones of Canada and Florida. This powder is superior to liquid remedies, being more easily handled and applied; however, the success in the use of Grape Dust depends more or less on the intelligent manner in which it is used, and atmospheric conditions following its use, aid or retard its effectiveness and necessitate few or more applications. The application of Grape Dust is simple and safe. —By using a bellows it



is spread in a cloud of fine dust, settling over fruit and leaves and stems. Whether on grapes in the conservatory, in the vineyard, or in long stretches of vineyard trellis, or bunches in the greenhouse, a careful man can take any good bellows—inserting the nozzle among the leaves, with a puff or two covering lightly the foliage. A few pounds go over a great surface, for it is very diffusive, and it destroys or drives off various insects on plants. Prices, per 5 lb. pkg., 40c.; 10 lb. pkg., 75c.; single lb., 10c.

GARDEN TOOLS.

Shears, Pruning, solid steel, 8 in.	\$1 50
" Hedge, " " blades 8 in	2 00
" " " " blades 9 in	2 25
Syringes, made of solid brass in the best manner and highly finished, 14 in. barrel, price	3 00
Syringes, 16 in. barrel, price	4 00
Syringes, two sprays, 18 in. barrel, price	5 50
Syringes, three sprays, 18 in. barrel, price	5 50
Trowels, solid steel, No. 1, price	45
Trowels, " No. 2, " " " " " " " " " " " "	60

Weeding Forks, best steel	30
Knives, Pruning, best English manufacture, price, No. A 1 \$1.25, No. A 2 \$1.25, No. B 1 \$1.25, No. B 2 \$1.30, No. C \$1.35, No. D \$1.50, No. E \$1.50, No. F \$2.	
Knives, Budding, prices, No. 1 \$1.25, No. 2 \$1.25, No. 3 \$1.30, No. 4 \$1.50.	
Raphia Grass, for tying, price per lb.	30
F C Fern Pots, bamboo, price	15
F C Fern Pots, lattice, price	20

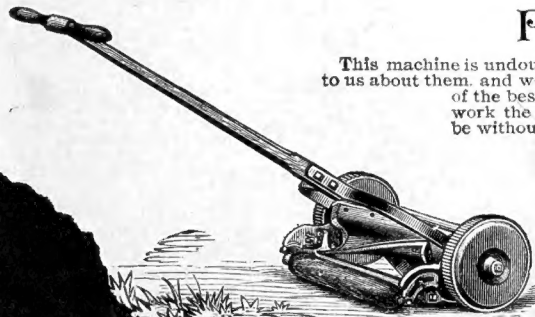
Philadelphia Lawn Mower.

This machine is undoubtedly the best on the market. We have never had one single complaint come to us about them. and we ourselves would use no other machine. The gearing arrangements are simple, of the best wearing material and well put together. They run so easily that a child could work the machine all day. It also cuts very close on wet or dry ground. No lawn should be without one. Prices, 10 inch, \$8, 12 inch, \$9, 14 inch, \$10; 16 inch, \$11, 18 inch, \$12.

TRADE MOWERS.—30 inch, with draft rod, \$60; 30 inch, shafts and seat, \$70, 36 inch shafts and seat, \$80.

The "Fire-Fly" Plow.

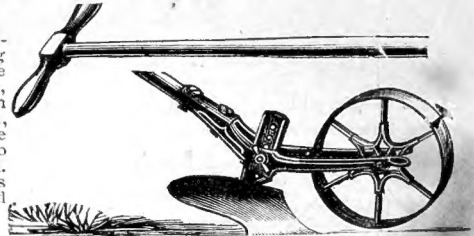
The "Fire-Fly" Plow has given great satisfaction, and is much improved in strength and design for 1890. We put it out with the patent Star Wheel with 1 3/4 inch face, a great improvement in all soft soils. It is a tool intended for those who have but small gardens and a moderate amount of time to spend in them, and of those who cannot avail themselves of horse-power tools advantageously. It is exceedingly valuable to such persons, since it enables them to economically raise the vegetables necessary for their family, or for market, with a minimum item to many who would be glad to grow their own vegetables if



for and time, the latter being often the most important



they could do it in their spare moments. The "Fire-Fly" is all cast-iron, except the handle and mold board, which latter is tempered and polished steel. It is capable of throwing a furrow four to six inches wide and one to three inches deep, and by going twice in the same furrow when breaking up ground in the Spring, it can be made to do admirable work, and many times faster than with the spade. It has drawing eyes to attach a rope for an assistant, where the work is difficult. In ordinary work it is easily handled by one person, and is used while plants are small by first plowing lightly away from them, allowing the ground to lie untouched for some days afterwards, when light furrows are thrown back to the plants, the rows having in the mean time been weeded directly in the row by hand. The operation can be repeated during the season by again plowing away and afterwards back again. This kind of cultivation is exceedingly satisfactory, and the labor is light and rapid. The tool should be pushed a stroke to each step. **Price \$2.50.**



The "Planet Jr." Seed Drills and Wheel Hoes.

These are the most complete garden tools made and have long been the most popular. They are known the world over, and beyond question are the most perfect in design, construction and finish, and most complete in equipment and practical in the field, yet invented.

The "Planet Jr." Double Wheel Hoe, Cultivator, Rake and Plow Combined. **Price \$8.00.**

A wheel hoe should be double, or at least capable of hoeing both sides of a row at one passage. We lay down this proposition because long experience has proved to us that no wheel hoe working between the rows sown by a seed drill does as good, as close or as satisfactory work as a double wheeled machine, or one which hoes both sides at once, especially while plants are small. Any inequalities can be accurately followed, when straddling but one row; whilst between two the tool must work the narrowest points, and therefore be quite too narrow for the wider parts; nor can a person watch two rows and work them as closely as one, even if planted accurately. But there are many plants, such as onions, celery, corn, etc., which grow too tall to be hoed both sides at once, and for the late tendings of such crops nothing can give satisfaction that will not work between the rows. The "Planet Jr." Double-Wheel Hoe is therefore arranged so that the wheels can be set close together if desired, when it works perfectly as a single-wheel hoe.

The improvements on this machine for 1890 bring it to perfection. The two small sweeps are taken out and two narrow teeth supplied in their place, making the outfit consist of a pair of hoes, four narrow cultivator teeth, a pair of plows, a pair of rakes, and a pair of leaf lifters.

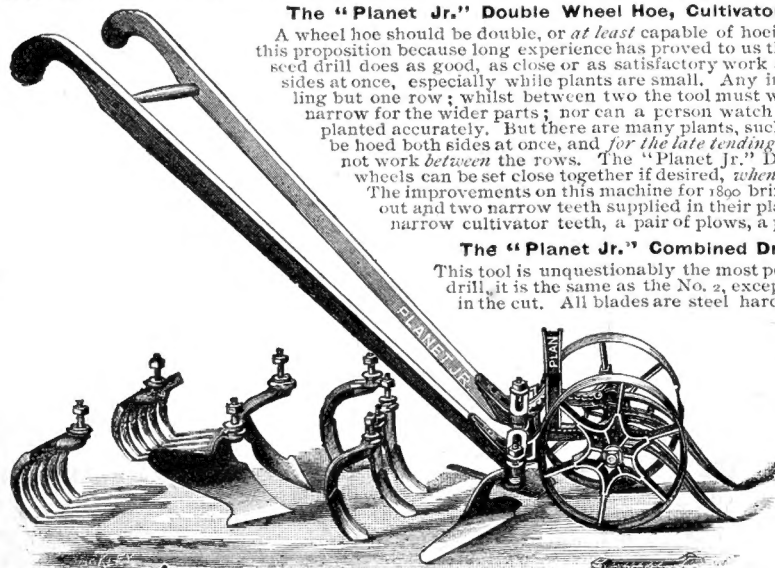
The "Planet Jr." Combined Drill, Wheel Hoe, Cultivator, Rake and Plow.

This tool is unquestionably the most popular and most perfect of its kind made. As a seed drill, it is the same as the No. 2, except in size; it holds one quart. It has all tools shown in the cut. All blades are steel hardened in oil, tempered and polished. The Rakes are

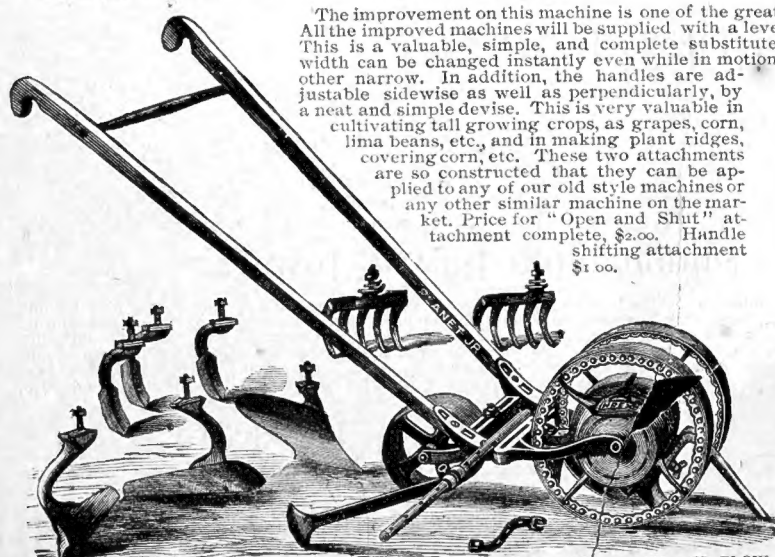
invaluable in preparing ground for planting, for covering seeds, etc., etc. The Hoes work closely and safely all rows up to sixteen inches wide at one passage, leaving the ground nearly level. The Plow opens furrows, covers them, hills, plows to and from, etc. The Cultivator teeth are admirably adapted to deep mellowing of the soil and marking out.

Taken as a whole, this combined tool is the nearest approach to perfection for the uses of a Gardener that can well be devised. Its various accomplishments are the result of careful study and mechanical ingenuity upon the part of the inventor, who could never have succeeded so well but for practical familiarity with garden tools in actual work. **Price \$12.00.**

The "Planet Jr." Hollow Steel Standard Horse Hoe and Cultivator. With Wheel, \$12. Without Wheel, \$11. For 1890.



THE "PLANET JR." DOUBLE-WHEEL HOE, CULTIVATOR, RAKE AND HOE COMBINED.



THE "PLANET JR." COMBINED DRILL, WHEEL HOE, CULTIVATOR, RAKE AND PLOW.

It Has Been Proven Conclusively that Potatoes Cut to Single Eye give the Largest and Best Results.

THE LIGHTNING POTATO EYE CUTTER,



does the work many times faster and is more accurate than the knife. It is gauged to cut enough flesh with each eye to strengthen and vitalize it and does the work in a scientific manner. No matter how small a crop you intend to plant, you should use this cutter.

Full Directions

HOW TO PLANT POTATOES CUT TO ONE EYE. A full and valuable points in POTATO CULTURE. A practical Potato Grower, given with each cutter. **Price 30 CENTS By Mail Postage.**

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